

ENGINEERING INSTRUCTION

Originator/Date: L. R. Hoschek
L. R. Hoschek

E.I. NO.:
DOCUMENT DATE: 05-25-89
DISTRIBUTION DATE:

Quality/Date: _____

**Redacted
VERSION**

Safety Approval/Date: _____

Specification/Procedure Change Authorization:

DOE QAB/PAS Coordinator: (X) Not Required

SUBJECT: _____

This E.I. is written to detail the radiation safety and disassembly requirements that are necessary to remove the subject nuclear explosive from the stand and disassemble the _____. The procedures have been coordinated with and concurred in by M&H Radiation Safety and Nuclear Explosive Safety, DOE/AAO, the DOE/AL Accident Investigation Committee, and Los Alamos National Laboratory Engineering.

(Optional depending upon concentration levels) The disassembly of this nuclear explosive will be videotaped by M&H, E&TC photographers. Videotaping equipment will be approved by Safe Work Permit before start of operations.

The subject unit is an HE/Pit Assembly only and is currently in the stand. The [] reservoir/valve assembly has been removed.

The following procedures will be performed by Mason & Hanger trained and certified personnel that are in the DOE/PAP program. LANL personnel will be present as advisors and consultants.

CRD/LRH:cv

Distribution

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D. W. Dollar, Assy. Oper., 12-86
J. L. Farmer, Prod. Sched., 12-69
S. L. LeCrone, MRP, 12-97C

DOE-AAO, 12-36
DOE/QMB-LANL, 12-69
B. D. Collier, SFC, 12-61

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RESTRICTED DATA

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CONFIDENTIAL

(TITLE)

RADIATION SAFETY REQUIREMENTS

Prior to start of disassembly operations in Cell 12-44-1 on the subject nuclear explosive, personnel shall be suited out in protective clothing as directed by Radiation Safety. Any additional radiation safety directives shall be documented as they are given.

- A. The following procedures shall be utilized to support operational personnel who will disassemble the nuclear explosive and remove components in Cell 12-44-1.
- B. The Radiation Safety and Operational personnel will wear self-contained breathing apparatus, anti-contamination clothing, boots and gloves. (Four pairs of gloves will be worn. Buttyl gloves with three pairs of PVC gloves over them.) Radiation Safety personnel will remind operating personnel of glove removal intervals.
- C. All individuals who are involved with the Cell 12-44-1 access shall provide urine samples before entry and after exiting the contaminated area.
- D. Equipment needed at the site includes; breathing air bottles, large plastic bags, wipe-test supplies, tape, large rolled plastic, radioactive wash, kimwipe towels or large paper towels, pencils, paper and two (2) Triton survey meters.
- E. All Operational and Radiation Safety personnel will enter and exit Cell 12-44-1 through Bldg. 12-42. A "Hot Line" will be established prior to entry into Cell 12-44-1. Radiation Safety personnel will maintain a support station outside Cell 12-44-1.

NUCLEAR EXPLOSIVE SAFETY REQUIREMENTS

All operations identified with an 'M' in the margin beside the operational step number will be performed by two M&H personnel that are in the DOE/Personnel Assurance Program (PAP). Any deviation from approved written procedures that affect nuclear explosive safety will be approved in M&H and AAO by Nuclear Explosive Safety personnel prior to the deviation.

- M 1. _____
- M 1.1 _____
- M 1.2 _____
- M 1.3 If necessary, pry the flat cable from the slot using a tongue depressor or orange stick. Carefully lift the flat cable from its slot. Do not permit any sharp bends in the flat cable when separating it from the adhesive.

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- M 1.4 Manually or using Vacuum Puller (000-2-197), remove the detonator from the counterbore.
- M 1.5 Remove Connector Cover _____ from the detonator/cable assembly.
- M 2. Package the detonator/cable assemblies per _____ at any convenient time.
- M 3. Install the _____
- 3.1 If not previously accomplished, install Adapter _____ on the Assembly Press.
- 3.2 Install Bowl Adapter _____ over the Adapter on the Assembly Press.
- M 3.3 Ensure safety nets are installed around the bottom and top of the _____ assembly and secured _____
- M 3.4 Attach the 24-inch Strongback (000-2-221 or 000-2-123)
- M 3.5 Using hoist and Strongback (000-2-221 or 000-2-123), carefully place the _____ in Assembly Press _____ with Adapter _____
- 3.6 Remove the hoist and Strongback (000-2-221 or 000-2-123)
- M 3.7 Remove the quick release pins from the bottom safety net.
- M 3.8 Remove the _____ from the _____
- M 4. Place the top press adapter (with Adapter _____ attached) on the contour of the upper half of the _____
- M 4.1 Attach the three arms of the pressure fixture and close the needle valve on the hydraulic pump.
- M 4.2 Actuate the hydraulic pump and carefully regulate the pressure on each side of the three gages, using their respective valves. The maximum pressure to be applied is 375 psi. Do not exceed this pressure on any gage.
- M 5. Remove four capscrews and allen nuts securing clamp band.
- M 6. Remove clamp band _____
- M 7. Release the pressure on the _____ release the three arms and remove the top pressure adapter _____

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Page 4 of 4

- M 8. By hand, carefully lift the upper _____ half and position it on chock
or Assembly Chock (
- M 8.1
- M 8.2
- M 8.3 Attach the _____ to the _____ Manually
lift the _____ rotate it 180 degrees, and lower it back onto
the chock.
- M 8.4 Remove the Handling Band _____ carefully lift the upper _____
half. and manually, place it on Chock (_____ or Assembly Chock
- M 9. Remove the stress cushion _____
10. Using the Vacuum Lifting Fixture _____, remove the _____ and
place it on a Rolling Chock (000-2-271).
11. Remove the fixture.
12. Remove the remaining stress cushion (_____
13. Dry swipe the surface of the _____ for Alpha and Tritium
contamination.
14. Package the pit in container ALR8(2030) and hold in cell until
de-contamination instructions are issued.
15. Dispose of all other parts per E.I. _____

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12/85

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(5) 2

ENGINEERING INSTRUCTION

Originator/Date: L. R. Hoschek
L. R. Hoschek

E.I. NO.:
DOCUMENT DATE: 05-25-89
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Safety Approval/Date: _____

Redacted
VERSION

Specification/Procedure Change Authorization:

DOE QAB/PAS Coordinator: (X) Not Required

SUBJECT:

This E.I. is written to detail the radiation safety and disassembly requirements that are necessary to disassemble the subject nuclear explosive. The procedures have been coordinated with and concurred in by M&H Radiation Safety and Nuclear Explosive Safety, DOE/AAO, the DOE/AL Accident Investigation Committee, and Los Alamos National Laboratory Engineering.

(Optional depending upon concentration levels) The disassembly of this nuclear explosive will be videotaped by M&H, E&TC photographers. Videotaping equipment will be approved by Safe Work Permit before start of operations.

The subject unit is in Assembly Cell 12-44-1 and is currently in Disassembly Stand
The reservoir/valve assembly has been removed.

The following procedures will be performed by Mason & Hanger trained and certified personnel that are in the DOE/PAP program. LANL personnel will be present as advisors and consultants.

CRD/LRH:cv Distribution Page 1 of 7

- | | |
|-----------------------------------|---------------------------|
| D. W. Dollar, Assy. Oper., 12-86 | DOE-AAO, 12-36 |
| J. L. Farmer, Prod. Sched., 12-69 | DOE/QMB-LANL, 12-69 |
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DERIVATIVE CLASSIFIER

~~CONFIDENTIAL~~

L. R. Hoschek
(NAME)
St. Engineer
(TITLE)

RADIATION SAFETY REQUIREMENTS

Prior to start of disassembly operations in Cell 12-44-1 on the subject nuclear explosive, personnel shall be suited out in protective clothing as directed by Radiation Safety. Any additional radiation safety directives shall be documented as they are given.

- A. The following procedures shall be utilized to support operational personnel who will disassemble the nuclear explosive and remove components in Cell 12-44-1.
- B. The Radiation Safety and Operational personnel will wear self-contained breathing apparatus, anti-contamination clothing, boots and gloves. (Four pairs of gloves will be worn. Buttyl gloves with three pairs of PVC gloves over them.) Radiation Safety personnel will remind operating personnel of glove removal intervals.
- C. All individuals who are involved with the Cell 12-44-1 access shall provide urine samples before entry and after exiting the contaminated area.
- D. Equipment needed at the site includes; breathing air bottles, large plastic bags, wipe-test supplies, tape, large rolled plastic, radioactive wash, kimwipe towels or large paper towels, pencils, paper and two (2) Triton survey meters.
- E. All Operational and Radiation Safety personnel will enter and exit Cell 12-44-1 through Bldg. 12-42. A "Hot Line" will be established prior to entry into Cell 12-44-1. Radiation Safety personnel will maintain a support station outside Cell 12-44-1.

NUCLEAR EXPLOSIVE SAFETY REQUIREMENTS

All operations identified with an 'M' in the margin beside the operational step number will be performed by two M&H personnel that are in the DOE/Personnel Assurance Program (PAP). Any deviation from approved written procedures that affect nuclear explosive safety will be approved in M&H and AAO by Nuclear Explosive Safety personnel prior to the deviation.

M 1.

M 2.

- ///NOTES. 1. Two people shall install the _____ on the warhead case.
2. Tighten the _____ securely.

CAUTION: Ensure the _____ is installed flush with the upper edge of the painted portion of the case in three locations (120 degrees apart).

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M 3. Attach _____ around the upper part of the forward section of the case in such a manner that the _____ The _____ shall be located so that the latch bolts face toward the press pumps and flush with the upper edge of the painted portion of the case. Install Strongback (000-2-221 or 000-2-123) on the _____

CAUTION: Failure to exercise care when lifting the unit could result in personnel injury and/or damage to the case.

M 4. Using a hoist, position the unit case on the Dolly _____ on the Assembly Press _____ with the rear cap up. Remove the sling.

M 5. Place Forward Retainer Ring _____ on the lower ram adapter.

M 6. Position the unit case over the lower ram adapter. Raise the unit from the dolly by lifting the lower ram until the snap ring will fit into the groove on bottom of the case. Then lower the ram until the Forward Retainer Ring _____ seats in place.

M 7. Install the wide Taper Ring _____ between bottom of the case and the lower ram adapter.

M 8. Raise the lower ram, retract the Dolly _____, and remove _____

M 9. Install Forward Retainer Ring _____ over top of unit. Raise unit until Forward Retainer Ring _____ can be placed in groove. Then lower unit until Forward Retainer Ring _____ seats in place...

M 10. Install the narrow Taper Ring _____

CAUTION: Safety stops shall be in functional position prior to attaching or detaching tooling to components for case and cap removal.

M 11. Lower the top ram vacuum cup until it almost touches the rear cap _____ Attach safety screws of vacuum cup to the rear cap. Apply a vacuum to the cup and seat the cup on the rear cap. Then tighten the safety screws.

M 12. Raise lower ram adapter and press the case until the self-locking screws (836720), which hold the front cap to the case, can easily be removed.

CAUTION: Do not exceed a force of 10,000 pounds (2250 psi on the lower ram gage).

M 13. Loosen and remove the 22 self-locking screws (836720).

CAUTION: Hold the cables and the tube away _____ " so they will not be damaged.

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- M 14. Lower the bottom ram of the press and lower the _____ away from the case.
- M 15. Attach the HE Rotating Band _____ to the _____
- M 16. Raise the rear cap up approximately 8 inches and remove. Raise the _____ until the Assembly Press Dolly _____ will roll under the HE Rotating Band
- 16.1 Lower assembly onto Assembly Press Dolly _____ to allow installation of safety nets.
- 16.2 Install HE _____ safety nets around the bottom of the _____ assembly.
- 16.3 Using quick release pins, secure nets to the HE _____
- M 17. Roll the _____ away from the ram of the press.
- M 18. Remove the fwd and aft compression caps _____
- M 19. Using Strongback (000-2-221 or 000-2-123) and hoist, lift the assembly, move it aside, rotate 90 degrees with the tube up, and set it in Stand _____ Remove the Strongback and hoist.
20. Remove the tapered ring, retainer ring, and case parts from the Assembly Press _____ at any convenient time prior to disassembly of the next nuclear explosive.
- 20.1 Remove the O-ring from the front cap _____
- 20.2 Remove the aft cap _____ from the Assembly Press _____ by removing the two screws and releasing the vacuum.
- 20.3 Raise the lower ram and front cap _____ into the case.
- 20.4 Install two screws (836720), approximately 180 degrees to hold the front cap in the case. Ensure that the two screws are hand tight.
- 20.5 Release the pressure sufficiently to remove the Taper Ring _____ from between the bottom of the case and press.
- 20.6 Raise the lower ram sufficiently, approximately 600 psi, to remove the Forward Retaining Ring _____ from the bottom of the case.
- 20.7 Remove the Thin Taper Ring _____ from between the top of the case and the barrel of the press.
- 20.8 Raise the case in the press enough to dislodge the Forward Retaining Ring _____ and lower the ram and case.

- 20.9 Remove the case from the Assembly Press _____ by hand.
- 20.10 Remove the case from the Assembly Press _____ holding the case
front cap in the case.
- M 21. Remove the Detonator/cable assemblies _____ as follows:
- M 21.1
- M 21.2
- M 21.3 If necessary, pry the flat cable from the slot using a tongue depressor
or orange stick. Carefully lift the flat cable from its slot. Do not
permit any sharp bends in the flat cable when separating it from the
adhesive.
- M 21.4 Manually or using Vacuum Puller (000-2-197),
- M 21.5 Remove Connector Cover _____ from the _____ cable assembly.
- M 22. Package the _____ cable assemblies per _____ at any convenient
time.
- M 23. Install the _____ in the Press _____ as follows:
- 23.1 If not previously accomplished, install Adapter _____ on the
Assembly Press.
- 23.2 Install Bowl Adapter _____ over the Adapter on the Assembly Press.
- M 23.3 Ensure safety nets are installed around the bottom and top of the
assembly and secured
- M 23.4 Attach the 24-inch Strongback (000-2-221 or 000-2-123) to the HE
- M 23.5 Using hoist and Strongback (000-2-221 or 000-2-123), carefully place the
in Assembly Press _____ with Adapter
- M 23.6 Remove the hoist and Strongback (000-2-221 or 000-2-123) from the HE
Rotating Band.
- M 23.7 Remove the quick release pins from the bottom safety net.
- M 23.8 Remove the HE Rotating Band _____ from the _____

- M 24. Place the top press adapter (with Adapter attached) on the upper half of the
- M 24.1 Attach the three arms of the pressure fixture and close the needle valve on the hydraulic pump.
- M 24.2 Actuate the hydraulic pump and carefully regulate the pressure on each side of the three gages, using their respective valves. The maximum pressure to be applied is 375 psi. Do not exceed this pressure on any gage.
- M 25. Remove four capscrews and allen nuts securing clamp band.
- M 26. Remove clamp band
- M 27. Release the pressure on the _____ release the three arms and remove the top pressure adapter
- M 28. By hand, carefully lift the upper _____ half and position it on chock
or Assembly Chock _____
- M 28.1 Carefully observe the _____ as the upper half of the _____ is being lifted.
- M 28.2 If the _____ sticks to the upper half, lower the upper half back onto the lower half and perform the following:
- M 28.3 Attach the HE Handling Band _____ to the _____ Manually lift the _____ rotate it 180 degrees, and lower it back onto the chock.
- M 28.4 Remove the Handling Band _____ carefully lift the upper half, and manually, place it on Chock _____ or Assembly Chock _____
- M 29. Remove the stress cushion _____
30. Using the Vacuum Lifting Fixture _____, remove the _____ and place it on a Rolling Chock (000-2-271).
31. Remove the fixture.
32. Remove the remaining stress cushion (_____)
33. Monitor the remainder of the pit as follows:
- 33.1 Preliminary Requirements:
- 33.1.1 Equipment: Alpha Counter

33.1.2 Equipment Calibration/Correlation Requirements:

Referring to the Equipment List, ensure that each item of calibrated equipment listed above has a valid calibration label, that the equipment is calibrated to the correct calibration procedure suffix (if shown), and that the suffix/revision of each item listed is per the Equipment List.

33.2 Dry swipe the surface of the _____ for Alpha and Tritium.

CAUTION: Immediately prior to use, ensure that electrical testers meet the requirements of General Standard 7-0904.

34. Perform pit vacuum monitor as follows:

34.1 Preliminary Requirements:

34.1.1 Equipment: Hastings-Raydist (GV-25D)

34.1.2 Equipment Calibration/Correlation Requirements:

Referring to the Equipment List, ensure that each item of calibrated equipment listed above has a valid calibration label, that the equipment is calibrated to the correct calibration procedure suffix (if shown), and that the suffix/revision of each item listed is per the Equipment List.

34.2 Measure the _____ pressure per General Standard 7-0906.

34.2.1 Record the monitor reading on Q-4459.

34.2.2 Record the _____ number on Q-4459.

Softly Requirement to verify vacuum in Pit.

35. Package the pit in container ALR8(2030) and hold in cell until de-contamination instructions are issued.

36. Dispose of all other parts per approved E.I.

///NOTE: Obtain the correct data card and input the necessary information in the DPI terminal to report Operation 02 completed.

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ENGINEERING INSTRUCTION

EX-675
12/85

Originator/Date: L. R. Hoschek
L. R. Hoschek

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Specification/Procedure Change Authorization:

DOE QAB/PAS Coordinator:

**Redacted
VERSION**

(X) Not Required

SUBJECT:

This E.I. is written to detail the radiation safety and disassembly requirements that are necessary to disassemble the subject nuclear explosive which was involved in a tritium release incident on May 17, 1989. The procedures have been coordinated with and concurred in by M&H Radiation Safety and Nuclear Explosive Safety, DOE/AAO, the DOE/AL Accident Investigation Committee, and Los Alamos National Laboratory Engineering.

(Optional depending upon concentration levels) The disassembly of this nuclear explosive will be videotaped by M&H, E&TC photographers. Videotaping equipment will be approved by Safe Work Permit before start of operations.

The subject unit is in Assembly Cell 12-44-1 and is currently in Disassembly Stand
The pit tube has been crimped and sealed with epoxy adhesive. The reservoir/valve assembly has been removed.

The following procedures will be performed by Mason & Hanger trained and certified personnel that are in the DOE/PAP program. LANL personnel will be present as advisors and consultants.

CRD/LRH:cv

Distribution

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D. W. Dollar, Assy. Oper., 12-86
J. L. Farmer, Prod. Sched., 12-69
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L. R. Hoschek
(NAME)
L. R. Hoschek

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RADIATION SAFETY REQUIREMENTS

Prior to start of disassembly operations in Cell 12-44-1 on the subject nuclear explosive, personnel shall be suited out in protective clothing as directed by Radiation Safety. Any additional radiation safety directives shall be documented as they are given.

- A. The following procedures shall be utilized to support operational personnel who will disassemble the nuclear explosive and remove components in Cell 12-44-1.
- B. The Radiation Safety and Operational personnel will wear self-contained breathing apparatus, anti-contamination clothing, boots and gloves. (Four pairs of gloves will be worn. Buttyl gloves with three pairs of PVC gloves over them.) Radiation Safety personnel will remind operating personnel of glove removal intervals.
- C. All individuals who are involved with the Cell 12-44-1 access shall provide urine samples before entry and after exiting the contaminated area.
- D. Equipment needed at the site includes; breathing air bottles, large plastic bags, wipe-test supplies, tape, large rolled plastic, radioactive wash, kimwipe towels or large paper towels, pencils, paper and two (2) Triton survey meters.
- E. All Operational and Radiation Safety personnel will enter and exit Cell 12-44-1 through Bldg. 12-42. A "Hot Line" will be established prior to entry into Cell 12-44-1. Radiation Safety personnel will maintain a support station outside Cell 12-44-1.

NUCLEAR EXPLOSIVE SAFETY REQUIREMENTS

All operations identified with an 'M' in the margin beside the operational step number will be performed by two M&H personnel that are in the DOE/Personnel Assurance Program (PAP). Any deviation from approved written procedures that affect nuclear explosive safety will be approved in M&H and AAO by Nuclear Explosive Safety personnel prior to the deviation.

M 1.

M 2.

///NOTES. 1. Two people shall install the _____ on the warhead case.

2. Tighten the _____ securely.

CAUTION: Ensure the _____ is installed flush with the upper edge of the painted portion of the case in three locations (120 degrees apart).

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M 3. Attach _____ around the upper part of the forward section of the case in such a manner that the _____ The _____ shall be located so that the latch bolts face toward the press pumps and flush with the upper edge of the painted portion of the case. Install Strongback (000-2-221 or 000-2-123) on the _____

CAUTION: Failure to exercise care when lifting the unit could result in personnel injury and/or damage to the case.

M 4. Using a hoist, position the unit case on the Dolly _____ on the Assembly Press _____ with the rear cap up. Remove the sling.

M 5. Place Forward Retainer Ring _____ on the lower ram adapter.

M 6. Position the unit case over the lower ram adapter. Raise the unit from the dolly by lifting the lower ram until the snap ring will fit into the groove on bottom of the case. Then lower the ram until the Forward Retainer Ring seats in place.

M 7. Install the wide Taper Ring _____ between bottom of the case and the lower ram adapter.

M 8. ~~Raise the lower ram, retract the Dolly _____ and remove _____~~

M 9. Install Forward Retainer Ring _____ over top of unit. Raise unit until Forward Retainer Ring _____ can be placed in groove of _____ Then lower unit until Forward Retainer Ring _____ seats in place...

M 10. Install the narrow Taper Ring _____

CAUTION: Safety stops shall be in functional position prior to attaching or detaching tooling to components for case and cap removal.

M 11. Lower the top ram vacuum cup until it almost touches the rear cap. Attach safety screws of vacuum cup to the rear cap. Apply a vacuum to the cup and seat the cup on the rear cap. Then tighten the safety screws.

M 12. Raise lower ram adapter and press the case until the self-locking screws (836720), which hold the front cap to the case, can easily be removed.

###CAUTION: Do not exceed a force of 10,000 pounds (2250 psi on the lower ram gage).

M 13. Loosen and remove the 22 self-locking screws (836720).

CAUTION: Hold the cables and the tube away _____ so they will not be damaged.

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- M 14. Lower the bottom ram of the press and lower the _____ away from the case.
- M 15. Attach the HE Rotating Band _____ to the _____
- M 16. Raise the rear cap up approximately 8 inches and remove. Raise the _____ until the Assembly Press Dolly _____ will roll under the HE Rotating Band _____
- 16.1 Lower assembly onto Assembly Press Dolly _____, to allow installation of safety nets.
- 16.2 Install HE _____ safety nets around the bottom of the _____
- 16.3 Using quick release pins, secure nets to the HE _____
- M 17. Roll the _____ away from the ram of the press.
- M 18. Remove the fwd and aft compression caps _____
- M 19. Using Strongback (000-2-221 or 000-2-123) and hoist, lift the assembly, move it aside, rotate 90 degrees with the tube up, and set it in Stand _____
Remove the Strongback and hoist.
20. Remove the tapered ring, retainer ring, and case parts from the Assembly Press _____ at any convenient time prior to disassembly of the next nuclear explosive.
- 20.1 Remove the O-ring from the front cap _____
- 20.2 Remove the aft cap _____ from the Assembly Press _____ by removing the two screws and releasing the vacuum.
- 20.3 Raise the lower ram and front cap _____ into the case.
- 20.4 Install two screws (836720), approximately 180 degrees to hold the front cap in the case. Ensure that the two screws are hand tight.
- 20.5 Release the pressure sufficiently to remove the Taper Ring _____ from between the bottom of the case and press.
- 20.6 Raise the lower ram sufficiently, approximately 600 psi, to remove the Forward Retaining Ring _____ from the bottom of the case.
- 20.7 Remove the Thin Taper Ring _____ from between the top of the case and the barrel of the press.
- 20.8 Raise the case _____ in the press enough to dislodge the Forward Retaining Ring _____ and lower the ram and case.

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- 20.9 Remove the case from the Assembly Press _____ by hand.
- 20.10 Remove the case from the Assembly Press _____ holding the case front cap in the case.
- M 21. Remove the Detonator/cable assemblies _____ as follows:
 - M 21.1
 - M 21.2
 - M 21.3 If necessary, pry the flat cable from the slot using a tongue depressor or orange stick. Carefully lift the flat cable from its slot. Do not permit any sharp bends in the flat cable when separating it from the adhesive.
 - M 21.4 Manually or using Vacuum Puller (000-2-197),
 - M 21.5 Remove Connector Cover _____ from the _____ assembly.
- M 22. Package the _____ assemblies per _____ at any convenient time.
- M 23. Install the _____ in the Press _____ as follows:
 - 23.1 If not previously accomplished, install Adapter _____ on the Assembly Press.
 - 23.2 Install Bowl Adapter _____ over the Adapter on the Assembly Press.
 - M 23.3 Ensure safety nets are installed around the bottom and top of the assembly and secured.
 - M 23.4 Attach the 24-inch Strongback (000-2-221 or 000-2-123) to the HE
 - M 23.5 Using hoist and Strongback (000-2-221 or 000-2-123), carefully place the _____ in Assembly Press _____ with Adapter _____
 - M 23.6 Remove the hoist and Strongback (000-2-221 or 000-2-123) from the HE Rotating Band.
 - M 23.7 Remove the quick release pins from the bottom safety net.
 - M 23.8 Remove the HE Rotating Band _____ from the _____

- M 24. Place the top press adapter (with Adapter _____ attached) on the upper half of the _____
- M 24.1 Attach the three arms of the pressure fixture and close the needle valve on the hydraulic pump.
- M 24.2 Actuate the hydraulic pump and carefully regulate the pressure on each side of the three gages, using their respective valves. The maximum pressure to be applied is 375 psi. Do not exceed this pressure on any gage.
- M 25. Remove four capscrews and allen nuts securing clamp band.
- M 26. Remove clamp band
- M 27. Release the pressure on the _____ release the three arms and remove the top pressure adapter
- M 28. By hand, carefully lift the upper _____ half and position it on chock or Assembly Chock
- M 28.1 Carefully observe the _____ as the upper half of the _____ is being lifted.
- M 28.2 If the _____ sticks to the upper half, lower the upper half back onto the lower half and perform the following:
- M 28.3 Attach the HE Handling Band _____ to the _____ . Manually lift the _____ , rotate it 180 degrees, and lower it back onto the chock.
- M 28.4 Remove the Handling Band _____ carefully lift the upper half, and manually, place it on Chock _____ or Assembly Chock
- M 29. Remove the stress cushion (_____)
30. Using the Vacuum Lifting Fixture _____ remove the _____ and place it on a Rolling Chock (000-2-271).
31. Remove the fixture.
32. Remove the remaining stress cushion _____ .
33. Dry swipe the surface of the _____ for Alpha and Tritium contamination.
34. Package the pit as directed by _____
35. Dispose of all other parts per _____

PX 675
12/85

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ENGINEERING INSTRUCTION

Originator/Date: L.R. Hoschek
L. R. Hoschek

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Specification/Procedure Change Authorization:

DOE QAB/PAS Coordinator: (X) Not Required

SUBJECT: REMOVAL OF UNIT

1. This E.I. is written to detail the radiation safety and disassembly requirements that are necessary to remove the subject nuclear explosive from the Disassembly Press and install it in the Stand. The procedures have been coordinated with and concurred in by M&H Radiation Safety and Nuclear Explosive Safety, DOE/AAO, the DOE/AL Accident Investigation Committee, and Los Alamos National Laboratory Engineering.
2. (Optional depending upon concentration levels) The movement of this nuclear explosive will be videotaped by M&H, E&TC photographers. Videotaping equipment will be approved by Safe Work Permit before start of operations.
3. The subject unit is in Assembly Cell 12-44-1 and is currently in the Disassembly Press. The reservoir/valve assembly has been removed and the _____ has been removed from the warhead case.
4. The following procedures will be performed by Mason & Hanger trained and certified personnel that are in the DOE/PAP. LANL personnel will be present as advisors and consultants.

CRD/LRH:sh

Distribution

Page 1 of 3

D. W. Dollar, Assy. Oper., 12-86
J. L. Farmer, Prod. Sched., 12-69
S. L. LeCrone, MRP, 12-97C

DOE-AAO, 12-36
DOE/QMB-LANL, 12-69
B. D. Collier, SFC, 12-61

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L.R. Hoschek
(NAME)
Engineer
(TITLE)

RADIATION SAFETY REQUIREMENTS

Prior to start of disassembly operations in Cell 12-44-1 on the subject nuclear explosive, personnel shall be suited out in protective clothing as directed by Radiation Safety. Any additional radiation safety directives shall be documented as they are given.

- A. The following procedures shall be utilized to support operational personnel who will disassemble the nuclear explosive and remove components in Cell 12-44-1.
- B. The Radiation Safety and Operational personnel will wear self-contained breathing apparatus, anti-contamination clothing, boots and gloves. (Four pairs of gloves will be worn. Buttyl gloves with three pairs of PVC gloves over them.) Radiation Safety personnel will remind operating personnel of glove removal intervals.
- C. All individuals who are involved with the Cell 12-44-1 access shall provide urine samples before entry and after exiting the contaminated area.
- D. Equipment needed at the site includes; breathing air bottles, large plastic bags, wipe-test supplies, tape, large rolled plastic, radioactive wash, kimwipe towels or large paper towels, pencils, paper and two (2) Triton survey meters.
- E. All Operational and Radiation Safety personnel will enter and exit Cell 12-44-1 through Bldg. 12-42. A "Hot Line" will be established prior to entry into Cell 12-44-1. Radiation Safety personnel will maintain a support station outside Cell 12-44-1.

NUCLEAR EXPLOSIVE SAFETY REQUIREMENTS

All operations identified with an 'M' in the margin beside the operational step number will be performed by two M&H personnel that are in the DOE/Personnel Assurance Program (PAP). Any deviation from approved written procedures that affect nuclear explosive safety will be approved in M&H and AAO by Nuclear Explosive Safety personnel prior to the deviation.

- M 1. Install _____ safety nets around the bottom of the Tsetse assembly.
- M 2. Using quick release pins, secure nets
- M 3. Roll the _____ away from the ram of the press.
- M 4. Using Strongback (000-2-221 or 000-2-123) and hoist, lift the assembly, move it aside, rotate 90 degrees with the tube up, and set it in Stand
Remove the Strongback and hoist.

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L. R. Hoschek

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5. Remove the tapered ring, retainer ring, and case parts from the Assembly Press at any convenient time.
 - 5.1 Remove the O-ring from the front cap
 - 5.2 Remove the aft cap from the Assembly Press by removing the two screws and releasing the vacuum.
 - 5.3 Raise the lower ram and front cap into the case.
 - 5.4 Install two screws (836720), approximately 180 degrees to hold the front cap in the case. Ensure that the two screws are hand tight.
 - 5.5 Release the pressure sufficiently to remove the Taper Ring from between the bottom of the case and press.
 - 5.6 Raise the lower ram sufficiently, approximately 600 psi, to remove the Forward Retaining Ring from the bottom of the case.
 - 5.7 Remove the Thin Taper Ring from between the top of the case and the barrel of the press.
 - 5.8 Raise the case in the press enough to dislodge the Forward Retaining Ring and lower the ram and case.
 - 5.9 Remove the case from the Assembly Press by hand.
 - 5.10 Remove the case from the Assembly Press holding the case front cap in the case.

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JOE F 1325
J&J

Exception to SF 14 Approved by NARS June 1978

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 YES NO

**U.S. DEPARTMENT OF ENERGY
TELECOMMUNICATION MESSAGE**
(See reverse side for instructions.)

3. USE WHEN REQUIRED
THIS DOCUMENT CONSISTS OF 38 PAGES
NO OF COPIES, SERIES

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FOR NORMAL USE EMERGENCY USE ONLY
ACTION Routine Priority Immediate FLASH
INFO (6 Hrs.) (3 Hrs.) (30 Mins.) (ASAP)

5. TYPE OF MESSAGE (“X” appropriate box)
 Single Address
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 Title Address
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FOR COMMUNICATION CENTER USE
MESSAGE IDENTIFICATION
NR: DTG: Z

6. FROM
USDOE
L. M. PARADEE
PANTEX EOC

7. OFFICIAL BUSINESS (TIME)
(Signature of authorizing official) A.M. P.M.

8. DATE **MAY 26, 1988**

9. TO
U.S. DEPARTMENT OF ENERGY, S. J. GUIDICE, AL EOC

COMMUNICATION CENTER ROUTING
69 69
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SUBJECT:

TRANSMITTED HERewith FOR YOUR REVIEW AND APPROVAL ARE THE
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477-3161
AAO

11. DERIVATIVELY CLASSIFIED NSI

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12. ORIGINALLY CLASSIFIED NSI

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Date: (Date)
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DERIVATIVE CLASSIFIER: L. M. Paradee, Chief OMB/AAO
(Name and Title)

14. FORMERLY RESTRICTED DATA
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S. J. GUIDICE, DIR., WPD/AL
MAY 26, 1989

PAGE TWO

- 1. EI _____ (DATED 5/25/89) PREPARATION AND PACKAGING OF _____ (INTERNALLY CONTAMINATED PIT)
- 2. EI _____ (DATED 5/24/89) REMOVAL OF UNIT FROM DISASSEMBLY PRESS
- 3. EI _____ (DATED 5/23/89) DISASSEMBLY OF _____ (UNIT INVOLVED IN TRITIUM RELEASE)
- 4. EI _____ (DATED 5/25/89) DISASSEMBLY OF _____ LOCATED IN STAND
- 5. EI _____ (DATED 5/25/89) DISASSEMBLY OF _____

AS STATED, THESE PROCEDURES COVER THE DISASSEMBLY, AND PREPARATION, AND PACKAGING OF THE INTERNALLY CONTAMINATED PIT; AND THE DISASSEMBLY OF THE OTHER TWO _____ (S/N _____) ONLY. THE PREPARATION AND PACKAGING OF UNITS _____ IS CURRENTLY BEING WRITTEN AND WILL BE TRANSMITTED FOR REVIEW WHEN COMPLETED. THE PROCEDURES TO BE USED ARE STANDARD O&I DISASSEMBLY PROCEDURES USING SPECIAL PERSONNEL PROTECTION PRECAUTIONS.

THESE PROCEDURES HAVE BEEN REVIEWED BY DOE/AAO AND M&H NUCLEAR SAFETY ENGR. AND THE AL INVESTIGATION COMMITTEE CHAIRED BY NEIL HARKER. THE EG&G AND WESTINGHOUSE PERSONNEL AT PANTEX WILL REVIEW THE RADIATION PROTECTION ASPECTS OF THESE PROCEDURES TODAY.

ATTACHMENTS.

END OF MESSAGE.

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13.1.7 Observe the peak reading on the Leak Rate meter or LED readout.
Reduce the range as necessary to attain maximum reading on the horizontal bars.

13.1.8 Change RANGE DIAL for BEST indication of leak.

13.1.9 Record the peak reading as required.

13.1.10 After completion of testing, turn operating handle to VENT.

13.1.11 Remove probe, insert test port plug, and tighten cap assembly.

13.1.12 Proceed with Steps 13.1.4 thru 13.1.5 to leave operating handle in TEST.

13.2 Standby, Power Failure, and Shutdown Procedures:

13.2.1 If power fails, turn operating handle to VENT and turn Electronics switch to OFF.

13.2.2 When power is restored, perform start-up procedures for Step 8.

13.2.3 For overnight or weekend standby, turn operating handle to TEST and leave the filament ON.

13.3 Complete shutdown:

13.3.1 Turn operating handle to VENT.

13.3.2 Turn Electronics switch to OFF.

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13.3.3 Turn Service valve located on rear upper center, fully counterclockwise (about seven turns).

13.3.4 Turn Main Power switch located on the front panel to OFF.

13.3.5 After 20 minutes, turn the operating handle to START and switch the Main Power switch on the Vacuum pump to the OFF position.

13.4 Inspector calibration and tuning (perform the following operations every 24 hours):

13.4.1 Adjust zero as follows:

13.4.1.1 Turn range selector counterclockwise to 10^{-7} range.

13.4.1.2 Turn filament OFF.

13.4.1.3 Varian should indicate zero (1 to 3 red bars); if not, use exterior Zero Adjust knob to obtain 1 to 3 red bars indicated. Notify Quality Engineer if zero can not be obtained.

13.4.1.4 Turn filament ON.

13.4.1.5 Turn range selector to 10^{-4} range.

13.5 Calibration and tuning check:

13.5.1 Turn operating handle to VENT.

13.5.2 Remove the port plug.

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13.5.3 Insert the Standard Leak Adapter (800-3-62) and tighten cap assembly.

13.5.4 Insert a standard leak of the appropriate size (3.3×10^{-5} to 1×10^{-3} helium cc/sec) into the Adapter and tighten the Adapter fitting.

13.5.5 Ensure that the valve is open.

- ### CAUTIONS:
1. Do not leave the operating handle in the START position longer than five minutes.
 2. If test port pressure fails to reach 100 millitorr, the operating handle shall be turned clockwise to the VENT position and the system checked for possible leaks.

13.5.6 Turn the operating handle to START and observe the test port pressure.

13.5.7 When the test port pressure is in the green band, turn the handle to TEST. Do not leave the handle in the START position longer than five minutes.

13.5.8 Ensure that the filament light is ON. Turn filament on if it is off. If there is no indication, notify Electronic Maintenance.

13.5.9 If the leak reading is within $\pm 2.0 \times 10^{-5}$ of the calibrated value of the leak, use the Calibration knob to adjust the reading to agree with the standard leak value.

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- 13.5.10 If the leak reading is more than ± 2.0 but less than $\pm 5.0 \times 10^{-5}$ different than the standard leak reading, use the Ion knob (do not turn more than one revolution) and the Calibration knob to bring the reading into agreement with the calibrated value of the standard leak. If the value is more than 5.0×10^{-5} off, notify Electronic Maintenance.
- 13.5.11 Shut the Adapter valve (turn clockwise). The Leak Rate meter should indicate zero. If not, notify Electronics Maintenance.
- 13.5.12 After completion of this operation, turn the operating handle to the VENT position.
- 13.5.13 Remove the calibrated leak and the Adapter. Ensure that the valve on the Adapter is open and remove the Adapter from the leak.
- 13.5.14 Insert the port plug into the port and tighten the cap assembly.
- 13.5.15 Turn the operating handle to the START position. Do not leave in START position longer than five minutes.
- 13.5.16 When the test port pressure is in the Green band, turn the operating handle to the TEST position.

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14. Install the DPV containment vessel in the model 2030-1 shipping container as follows: (Reference Appendix 2)
 - 14.1 Place the two disks in the bottom of the shipping container and set six rings on the disks.
 - 14.2 Place the containment vessel inside the rings, pressure gage up.
 - 14.3 Place four appropriate rings on top of the containment vessel.
 - 14.4 Place two or more disks on the rings so that the disk-to-lid gap will be one-half inch maximum.
 - 14.5 Place a 12-inch square of Cerafelt insulation pad on the disk.
 - 14.6 If not previously accomplished, install a plastic vent plug in the shipping container lid.
 - 14.7 Secure the lid on the shipping container with the locking ring and a 5/8-inch diameter bolt and lock nut. While tapping the locking ring with a soft-head hammer, tighten the bolt. If the ends of the locking ring close before the lid is secure, determine the cause and replace defective parts as necessary.
 - 14.8 Install a tamper indicating device (cup seal) on the locking ring bolt, and install the associated bar-code stickers to the container.

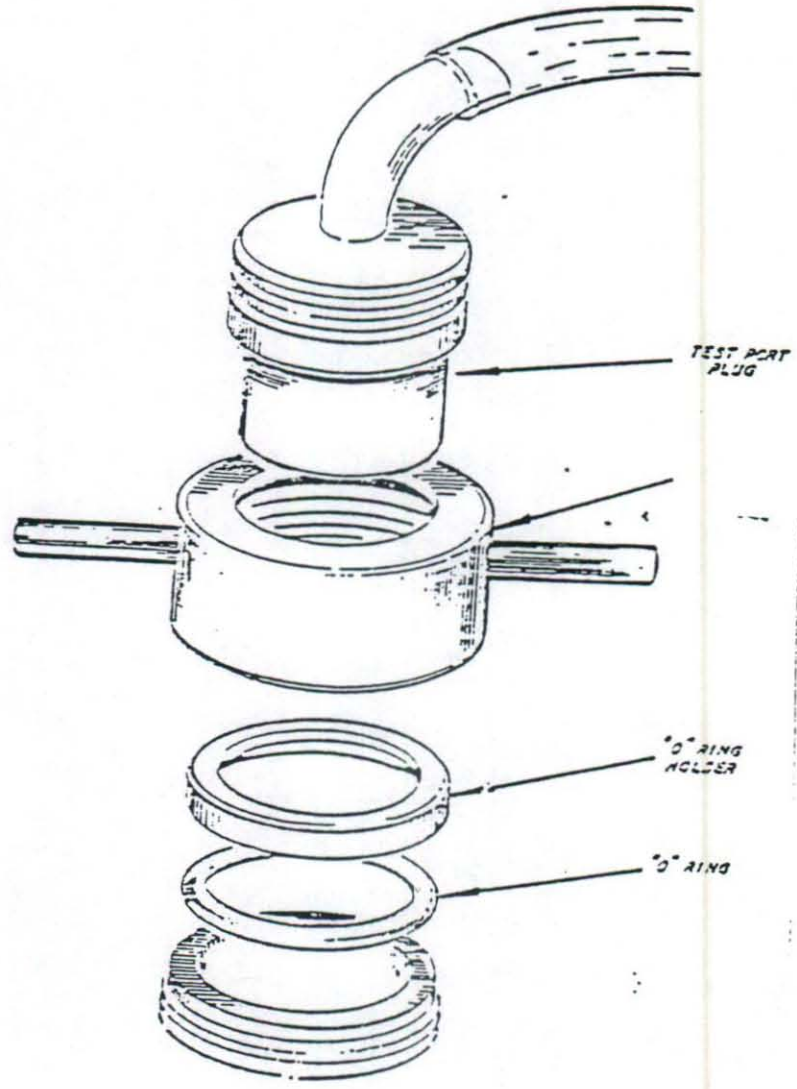
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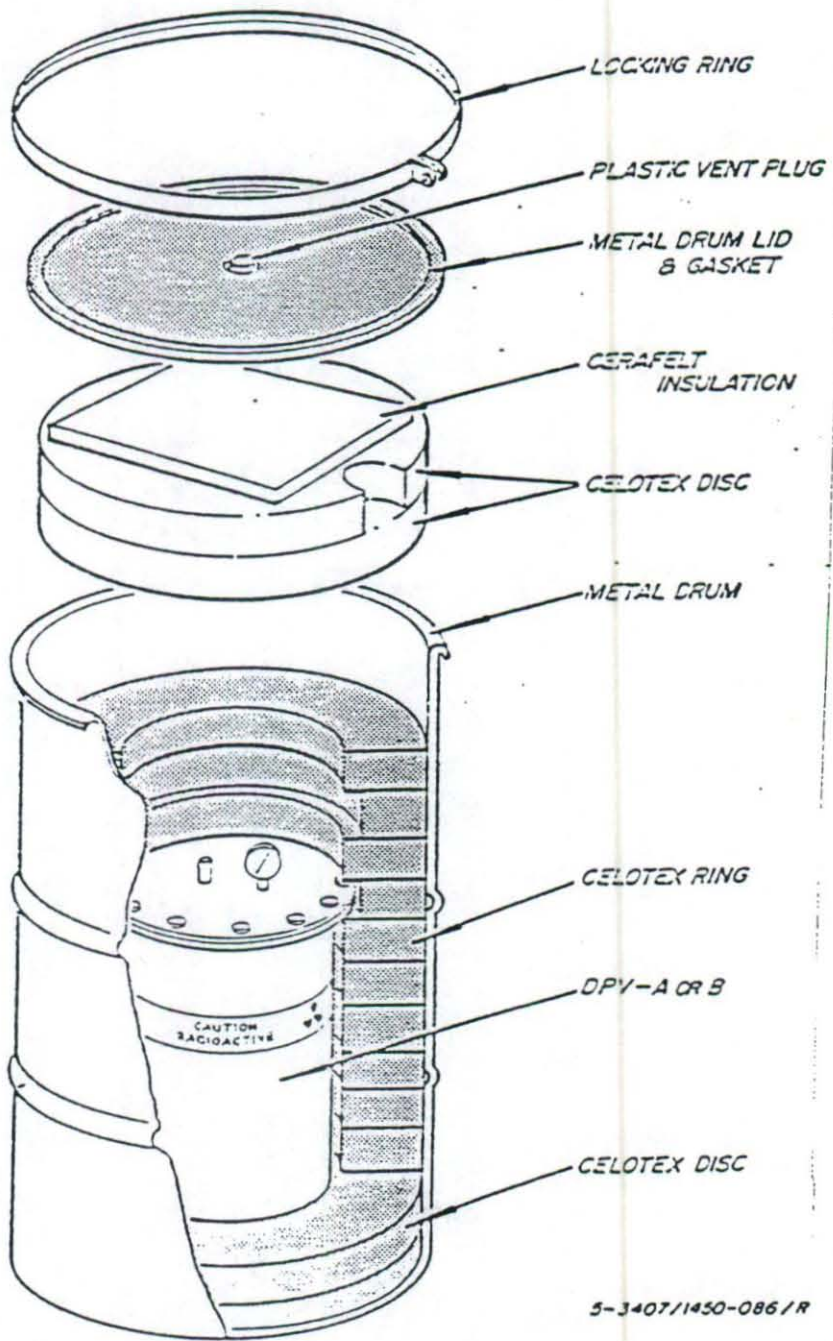
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Appendix 1

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5-3407/1450-086/R

Appendix 2

Legend: 1 = Equib VALVE ATTACHED

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VERSION

CODE	TYPE	SUF	MFG	ACTUAL	SERIAL	DATCD	LOCATION	PARTNO	SUF	TIME	DATE	BADGE	SEAL	BUDDY	TALLY
			DAF	18554A		D89	1204207	211922	00	1438	052689	07318		07353	
			DAF	18632A		D89	1204207	211922	00	1438	052689	07318		07353	
			DAF	18639A		D89	1204207	211922	00	1438	052689	07318		07353	
			DAF	18667A		D89	1204207	211922	00	1438	052689	07318		07353	
			DAF	25841A		D89	1204207	211922	00	1438	052689	07318		07353	
			DAF	25842A		D89	1204207	211922	00	1438	052689	07318		07353	
			DAF	25850A		D89	1204207	211922	00	1438	052689	07318		07353	
			DAF	25866A		D89	1204207	211922	00	1438	052689	07318		07353	
			DAF	25879A		D89	1204207	211922	00	1438	052689	07318		07353	
			DAF	25889A		D89	1204207	211922	00	1438	052689	07318		07353	
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LL	1A42	1		312646		F88	1204207	421478	00	1447	052689	07318		07353	
LL	1A42	1		363205		L85	1204207	421478	00	1447	052689	07318		07353	
LL	1A42	1		444592		L87	1204207	421478	00	1447	052689	07318		07353	
LL	1C20	AS		301288		J83	1204207	420854	00	1448	052689	07318		07353	1 Ship (NOT PK'd)
LL	1C20	AS		303954		J83	1204207	420854	00	1444	052689	07318		07353	
LL	1C20	AS		358168		H87	1204207	420854	00	1444	052689	07318		07353	
LL	1C20	AS		358784		K86	1204207	420854	00	1448	052689	07318		07353	
LL	1C20	AS		360108		K85	1204207	420854	00	1448	052689	07318		07353	
LL	1C20	AS		365946		E86	1204207	420854	00	1446	052689	07318		07353	
LL	1C20	AS		401069		H87	1204207	420854	00	1444	052689	07318		07353	
LL	1C20	AS		403122		K86	1204207	420854	00	1449	052689	07318		07353	
LL	1C20	AS		403242		K86	1204207	420854	00	1444	052689	07318		07353	
LL	1C20	AS		403568		I85	1204207	420854	00	1448	052689	07318		07353	
LL	1C20	AS		403774		K83	1204207	420854	00	1446	052689	07318		07353	
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LL	1C20	AS		406022		K83	1204207	420854	00	1445	052689	07318		07353	
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DERIVATIVE CLASSIFIER
DATE 05/26/89
NAME M. F. KELNER
TITLE AS ACCOUNTABILITY SUPERVISOR

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CODE	TYPE	SUFIX	MFG	ACTUAL SERIAL	DATCD	LOCATION	PARTNO	SUFIX	TIME	DATE	BADGE	SEAL	BUDDY	TALLY
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LL	1C38	AS		403576	K84	1204207	421365	00	1444	052689	07318		07353	
LL	1C38	AS		403589	L84	1204207	421365	00	1446	052689	07318		07353	
LL	1C38	AS		403597	E87	1204207	421365	00	1449	052689	07318		07353	
LL	1C38	AS		403619	D86	1204207	421365	00	1445	052689	07318		07353	
LL	1C38	AS		403881	F85	1204207	421365	00	1446	052689	07318		07353	
LL	1C38	AS		403984	I85	1204207	421365	00	1444	052689	07318		07353	
LL	1C38	AS		406014	G83	1204207	421365	00	1449	052689	07318		07353	
LL	1C38	AS		406112	G83	1204207	421365	00	1450	052689	07318		07353	
LL	1C38	AS		406116	K84	1204207	421365	00	1449	052689	07318		07353	
LL	1C38	AS		406155	D86	1204207	421365	00	1445	052689	07318		07353	
LL	1C38	AS		406180	L83	1204207	421365	00	1444	052689	07318		07353	
LL	1C38	AS		452811	D86	1204207	421365	00	1444	052689	07318		07353	
LL	1C38	AS		458249	A86	1204207	421365	00	1448	052689	07318		07353	
LL	1C38	AS		458336	F85	1204207	421365	00	1446	052689	07318		07353	
LL	1C38	AS		458382	F85	1204207	421365	00	1448	052689	07318		07353	
LL	1C38	AS		458400	F85	1204207	421365	00	1446	052689	07318		07353	

RESTRICTED DATA
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 AND CRIMINAL SANCTIONS.

DERIVATIVE CLASSIFIER
 DATE 05/26/89
 NAME M. F. WELLS
 TITLE ACCOUNTABILITY SUPERVISOR

UNCLASSIFIED

UNCLASSIFIED

CODE	TYPE	SUF	MFG	ACTUAL	SERIAL	DATCD	LOCATION	PARTNO	SUF	TIME	DATE	BADGE	SEAL	BUDDY	TALLY
LL	1C38	AS		458498		D86	1204207	421365	00	1449	052689	07318		07353	1
LL	1C38	AS		458568		D86	1204207	421365	00	1446	052689	07318		07353	
LL	1C38	AS		458699		J83	1204207	421365	00	1448	052689	07318		07353	
LL	1C38	AS		458771		D86	1204207	421365	00	1449	052689	07318		07353	
LL	1C38	AS		458790		F85	1204207	421365	00	1444	052689	07318		07353	
LL	1C38	AS		458847		A86	1204207	421365	00	1449	052689	07318		07353	
LL	1C38	AS		460057		D86	1204207	421365	00	1446	052689	07318		07353	
LL	1C38	AS		460160		G83	1204207	421365	00	1444	052689	07318		07353	
LL	1C38	AS		460535		D86	1204207	421365	00	1449	052689	07318		07353	
LL	1C38	AS		460661		G83	1204207	421365	00	1449	052689	07318		07353	
LL	1C38	AS		460668		A83	1204207	421365	00	1449	052689	07318		07353	
LL	1C38	AS		460719		E87	1204207	421365	00	1446	052689	07318		07353	
LL	1C38	AS		460805		A83	1204207	421365	00	1446	052689	07318		07353	
LL	1C38	AS		460844		D86	1204207	421365	00	1445	052689	07318		07353	
LL	1C38	AS		460937		G83	1204207	421365	00	1444	052689	07318		07353	
LL	1C38	AS		465126		L85	1204207	421365	00	1443	052689	07318		07353	
LL	1C38	AS		465273		F85	1204207	421365	00	1443	052689	07318		07353	
LL	1C38	AS		465332		E87	1204207	421365	00	1448	052689	07318		07353	
LL	1C38	AS		465427		J83	1204207	421365	00	1448	052689	07318		07353	
LL	1C38	AS		465606		F85	1204207	421365	00	1447	052689	07318		07353	
LL	1C38	AS		465761		J83	1204207	421365	00	1449	052689	07318		07353	
LL	1C38	AS		465805		A83	1204207	421365	00	1450	052689	07318		07353	
LL	1C38	AS		465912		D86	1204207	421365	00	1443	052689	07318		07353	
LL	1C38	AS		466131		C86	1204207	421365	00	1448	052689	07318		07353	
LL	1C38	AS		466135		L85	1204207	421365	00	1450	052689	07318		07353	
LL	1C38	AS		466382		F85	1204207	421365	00	1447	052689	07318		07353	
LL	1C38	AS		466438		I85	1204207	421365	00	1445	052689	07318		07353	
LL	1C38	AS		466525		F85	1204207	421365	00	1447	052689	07318		07353	
LL	1C38	AS		466535		F85	1204207	421365	00	1449	052689	07318		07353	
LL	1C38	AS		466556		J83	1204207	421365	00	1444	052689	07318		07353	
LL	1C38	AS		466600		C86	1204207	421365	00	1450	052689	07318		07353	
LL	1C38	AS		466607		C86	1204207	421365	00	1444	052689	07318		07353	
LL	1C38	AS		466671		F85	1204207	421365	00	1446	052689	07318		07353	
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LL	1C38	AS		466802		F85	1204207	421365	00	1445	052689	07318		07353	
LL	1C38	AS		466851		J83	1204207	421365	00	1445	052689	07318		07353	
LL	1C38	AS		466933		D86	1204207	421365	00	1445	052689	07318		07353	
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LL	1C38	AS		466973		L85	1204207	421365	00	1449	052689	07318		07353	
LL	1C38	AS		466980			1204207	421365	00	1444	052689	07318		07353	
LL	1C38	AS		503829		D86	1204207	421365	00	1450	052689	07318		07353	
LL	1C38	AS		503943		L84	1204207	421365	00	1446	052689	07318		07353	
LL	1C38	AS		517470		C86	1204207	421365	00	1446	052689	07318		07353	
LL	1C38	AS		558480		D86	1204207	421365	00	1449	052689	07318		07353	
LL	1C38	AS		560516		C86	1204207	421365	00	1447	052689	07318		07353	
LL	1C38	AS		566033		J83	1204207	421365	00	1447	052689	07318		07353	
LL	1C38	AS		566173		I85	1204207	421365	00	1446	052689	07318		07353	
LL	1C38	AS		573330		F85	1204207	421365	00	1448	052689	07318		07353	
LL	1H67			453063		D85	1204207	422167	00	1443	052689	07318		07353	
LL	1K71		DAF	201027		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	201070		L88	1204207	422229	01	1435	052689	07318		07353	

1 Ship (Not PKgd)



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C-O-N-F-I-D-E-N-T-I-A-L

DERIVATIVE CLASSIFIER
DATE 05/26/89
NAME M. F. KELLER
TITLE SS ACCOUNTABILITY SUPERVISOR

UNCLASSIFIED

C-O-N-F-I-D-E-N-T-I-A-
UNCLASSIFIED

CODE	TYPE	SUFY	MFG	ACTUAL	SERIAL	DATCD	LOCATION	PARTNO	SUFY	TIME	DATE	BADGE	SEAL	BUDDY	TALLY
LL	1K71		DAF	201087		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	201188		J88	1204207	422229	01	1435	052689	07318		07353	
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LL	1K71		DAF	201229		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	201244		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	201248		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	201251		L88	1204207	422229	01	1436	052689	07318		07353	
LL	1K71		DAF	201260		L88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	201701		L88	1204207	422229	01	1436	052689	07318		07353	
LL	1K71		DAF	201702		L88	1204207	422229	01	1436	052689	07318		07353	
LL	1K71		DAF	201720		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	201721		L88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	203709		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71			203739		C88	1204207	422229	01	1434	052689	07318		07353	
LL	1K71		DAF	203752		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	203757		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	203765		L88	1204207	422229	01	1436	052689	07318		07353	
LL	1K71			203797		I88	1204207	422229	01	1434	052689	07318		07353	
LL	1K71		DAF	203804		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	203817		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	203830		L88	1204207	422229	01	1436	052689	07318		07353	
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LL	1K71		DAF	203840		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	203862		J88	1204207	422229	01	1434	052689	07318		07353	
LL	1K71		DAF	203876		L88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	203879		J88	1204207	422229	01	1434	052689	07318		07353	
LL	1K71		DAF	206619		L88	1204207	422229	01	1436	052689	07318		07353	
LL	1K71		IK	208847		E87	1204207	422229	00	1447	052689	07318		07353	
LL	1K71			208927		E87	1204207	422229	01	1434	052689	07318		07353	
LL	1K71		DAF	209008		L88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	209130		J88	1204207	422229	01	1434	052689	07318		07353	
LL	1K71		DAF	209139		L88	1204207	422229	01	1436	052689	07318		07353	
LL	1K71		DAF	209142		L88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	209146		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	209179		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	209181		L88	1204207	422229	01	1436	052689	07318		07353	
LL	1K71		DAF	209186		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	209187		L88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	209198		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	209313		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	209345		J88	1204207	422229	01	1434	052689	07318		07353	
LL	1K71		DAF	303764		L88	1204207	422229	01	1436	052689	07318		07353	
LL	1K71		DAF	306556		J88	1204207	422229	01	1435	052689	07318		07353	
LL	1K71		DAF	306642		L88	1204207	422229	01	1436	052689	07318		07353	
LL	1K71		IK	3841		G84	1204207	422229	00	1447	052689	07318		07353	
LL	1M2M	AS		10652		L85	1204207	422531	00	1434	052689	07318		07353	1
LL	1M2M	AS		10657		K85	1204207	422531	00	1433	052689	07318		07353	
LL	1M2M	AS		10659		A87	1204207	422531	00	1434	052689	07318		07353	
LL	1M2M	AS		10741			1204207	422531	00	1426	052689	07318		07353	
LL	1M2M	AS		10765			1204207	422531	00	1424	052689	07318		07353	

Bulkhead application

WR

*** RESTRICTED DATA ***
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UNAUTHORIZED DISCLOSURE SUBJECT TO ADMINIS-
TRATIVE AND CRIMINAL SANCTIONS.

DERIVATIVE CLASSIFIER
DATE 05/26/89
NAME M. F. KEELER
TITLE SS ACCOUNTABILITY SUPERVISOR
C-O-N-F-I-D-E-N-T-I-A-

UNCLASSIFIED

UNCLASSIFIED

CODE	TYPE	SUF	MFG	ACTUAL	SERIAL	DATCD	LOCATION	PARTNO	SUF	TIME	DATE	BADGE	SEAL	BUDDY	TALLY
LL	1M2M	AS		10887			1204207	422531	00	1425	052689	07318		07353	1
LL	1M2M	AS		10901			1204207	422531	00	1425	052689	07318		07353	
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LL	1M2M	AS		11005			1204207	422531	00	1425	052689	07318		07353	
LL	1M2M	AS		11024			1204207	422531	00	1425	052689	07318		07353	
LL	1M2M	AS		11025			1204207	422531	00	1425	052689	07318		07353	
LL	1M2M	AS		11033			1204207	422531	00	1424	052689	07318		07353	
LL	1M2M	AS		11035			1204207	422531	00	1425	052689	07318		07353	
LL	1M2M	AS		11037			1204207	422531	00	1424	052689	07318		07353	
LL	1M2M	AS		11122			1204207	422531	00	1425	052689	07318		07353	
LL	1M2M	AS		11125			1204207	422531	00	1426	052689	07318		07353	
LL	1M2M	AS		11194			1204207	422531	00	1425	052689	07318		07353	
LL	1M2M	AS		11246			1204207	422531	00	1426	052689	07318		07353	
LL	1M2M	AS		11275		188	1204207	422531	00	1433	052689	07318		07353	
LL	1M2M	AS		11311			1204207	422531	00	1426	052689	07318		07353	
LL	1M2M	AS		11317			1204207	422531	00	1425	052689	07318		07353	
LL	1M2M	AS		11373			1204207	422531	00	1424	052689	07318		07353	
LL	1M2M	AS		11568			1204207	422531	00	1425	052689	07318		07353	
LL	1M2M	AS		11572			1204207	422531	00	1425	052689	07318		07353	
LL	1M2M	AS		11575			1204207	422531	00	1424	052689	07318		07353	
LL	1M2M	AS		11599			1204207	422531	00	1424	052689	07318		07353	
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LL	1M2M	AS		11601			1204207	422531	00	1425	052689	07318		07353	
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LL	1M2M	AS		11605			1204207	422531	00	1426	052689	07318		07353	
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LL	1M2M	AS		11630			1204207	422531	00	1425	052689	07318		07353	
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LL	1508		DAQ	336269		L85	1204207	250119	02	1455	052689	07318		07353	
LL	1508		DAQ	336593		G86	1204207	250119	02	1455	052689	07318		07353	
LL	1508		DAQ	336655		G86	1204207	250119	02	1455	052689	07318		07353	
LL	1508		DAQ	336879		A87	1204207	250119	02	1455	052689	07318		07353	
LL	1508		DAQ	353628		H85	1204207	250119	02	1454	052689	07318		07353	
LL	1508		DAQ	353720		G86	1204207	250119	02	1454	052689	07318		07353	
LL	1508			355224			1204207	250119	02	1454	052689	07318		07353	
LL	1508		DAQ	355942		D86	1204207	250119	02	1454	052689	07318		07353	
LL	1508		DAQ	401037		A85	1204207	250119	02	1455	052689	07318		07353	
LL	1508		DAF	436335		L88	1204207	250119	03	1437	052689	07318		07353	
LL	1508		DAF	436774		L88	1204207	250119	03	1436	052689	07318		07353	
LL	1508		DAF	536282		L88	1204207	250119	03	1436	052689	07318		07353	
LL	1508		DAF	536539		L88	1204207	250119	03	1437	052689	07318		07353	
LL	1508		DAF	536552		L88	1204207	250119	03	1437	052689	07318		07353	
LL	2H68			307308		E85	1204207	422168	00	1443	052689	07318		07353	
LL	2J46			207059		D83	1204207	421738	00	1453	052689	07318		07353	
LL	2J46			207724		D84	1204207	421738	00	1453	052689	07318		07353	

1 WK

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C-O-N-F-I-D-E-N-T-I-A-L

DATE NAME

DERIVATIVE CLASSIFIER 5/26/89 M. E. KELLER

TITLE

SS ACCOUNTABILITY SUPERVISOR

UNCLASSIFIED

UNCLASSIFIED

C-O-N-F-I-D-E-N-T-I-A-L

CODE	TYPE	SUF	MFG	ACTUAL	SERIAL	DATCD	LOCATION	PARTNO	SUF	TIME	DATE	BADGE	SEAL	BUDDY	TALLY
LL	2J46				307081	E87	1204207	421738	00	1453	052689	07318		07353	
LL	2J46				307177	C87	1204207	421738	00	1453	052689	07318		07353	
LL	2J46				307373	G86	1204207	421738	00	1453	052689	07318		07353	
LL	2J46				307535	I86	1204207	421738	00	1453	052689	07318		07353	
LL	2J46				309516	G84	1204207	421738	00	1443	052689	07318		07353	
LL	2J46				309701	I84	1204207	421738	00	1453	052689	07318		07353	
LL	2J46				309745	D85	1204207	421738	00	1453	052689	07318		07353	
LL	2J46				309858R	H85	1204207	421738	00	1443	052689	07318		07353	
LL	2659	B	DAF		6638B	J82	1204207	211677	00	1453	052689	07318		07353	
LL	2659	B	DAF		8039B	B83	1204207	211677	00	1453	052689	07318		07353	
LL	2659	B	DAF		9118B	I78	1204207	211677	00	1454	052689	07318		07353	
LL	2659	B	DAF		9123B	I78	1204207	211677	00	1453	052689	07318		07353	
LL	2659	B	DAF		9148B	I78	1204207	211677	00	1443	052689	07318		07353	
LL	2659	B	DAF		9168B	K78	1204207	211677	00	1442	052689	07318		07353	
LL	2659	B	DAF		9215B	C79	1204207	211677	00	1454	052689	07318		07353	
LL	2659	B	DAF		9250B	D79	1204207	211677	00	1443	052689	07318		07353	
LL	2659	B	DAF		9265B	D79	1204207	211677	00	1454	052689	07318		07353	
LL	2659	B	DAF		9294B	D79	1204207	211677	00	1442	052689	07318		07353	
LL	2659	B	DAF		9295B	D79	1204207	211677	00	1443	052689	07318		07353	
LL	2659	B	DAF		9443B	L78	1204207	211677	00	1443	052689	07318		07353	
LL	2659	B	DAF		9451B	L78	1204207	211677	00	1453	052689	07318		07353	
LL	2659	B	DAF		9454B	L78	1204207	211677	00	1453	052689	07318		07353	
LL	2659	B	DAF		9457B	C79	1204207	211677	00	1453	052689	07318		07353	
LL	2659	B	DAF		9458B	L78	1204207	211677	00	1454	052689	07318		07353	
LL	2659	B	DAF		9470B	L78	1204207	211677	00	1453	052689	07318		07353	
LL	2659	B	DAF		9476B	L78	1204207	211677	00	1454	052689	07318		07353	
LL	2659	B	DAF		9488B	L78	1204207	211677	00	1453	052689	07318		07353	
LL	2659	B	DAF		9489B	L78	1204207	211677	00	1454	052689	07318		07353	
LL	2659	B	DAF		9492B	L78	1204207	211677	00	1454	052689	07318		07353	
LL	2659	B	DAF		9495B	L78	1204207	211677	00	1443	052689	07318		07353	
LL	2659	B	DAF		9498B	L78	1204207	211677	00	1454	052689	07318		07353	
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LL	2659	B	DAF		9518B	E79	1204207	211677	00	1442	052689	07318		07353	
LL	2659	B	DAF		9533B	E79	1204207	211677	00	1442	052689	07318		07353	
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LL	2659	B	DAF		9719B	D79	1204207	211677	00	1443	052689	07318		07353	
LL	2659	B	DAF		9727B	A79	1204207	211677	00	1454	052689	07318		07353	
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LL	2659	B	DAF		9892B	I78	1204207	211677	00	1453	052689	07318		07353	
LL	2659	B	DAF		9895B	J78	1204207	211677	00	1442	052689	07318		07353	
LL	2659	B	DAF		9896B	J78	1204207	211677	00	1454	052689	07318		07353	
LL	2659	B	DAF		9897B	J78	1204207	211677	00	1453	052689	07318		07353	
LL	3135	B	DAF		3334	J86	1204207	211906	00	1430	052689	07318		07353	
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LL	3135	B	DAF		8427	D88	1204207	211906	00	1431	052689	07318		07353	
LL	3135	B	DAF		8448	C88	1204207	211906	00	1431	052689	07318		07353	
LL	3136		DAF		1310	D88	1204207	211591	02	1432	052689	07318		07353	
LL	3136		DAF		1325	D88	1204207	211591	02	1431	052689	07318		07353	
LL	3136		DAF		1447	D88	1204207	211591	02	1431	052689	07318		07353	

*** RESTRICTED DATA ***

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C-O-N-F-I-D-E-N-T-I-A-L

DERIVATIVE CLASSIFIER
 DATE 05/26/89
 NAME M. F. KELLER
 TITLE SS ACCOUNTABILITY SUPERVISOR

UNCLASSIFIED

~~C-O-N-F-I-D-E-N-T-I-A-L~~
UNCLASSIFIED

CODE	TYPE	SUF	MFG	ACTUAL SERIAL	DATCD	LOCATION	PARTNO	SUF	TIME	DATE	BADGE	SEAL	BUDDY	TALLY
LL	3136		DAF	1697	J87	1204207	211591	02	1432	052689	07318		07353	
LL	3136		DAF	1772	D88	1204207	211591	02	1432	052689	07318		07353	
LL	3136		DAF	1857	D88	1204207	211591	02	1431	052689	07318		07353	
LL	3136		DAF	1864	D88	1204207	211591	02	1432	052689	07318		07353	
LL	3136		DAF	1869	D88	1204207	211591	02	1432	052689	07318		07353	
LL	3136		DAF	4119	L86	1204207	211591	02	1432	052689	07318		07353	
LL	3136		DAF	4400	H86	1204207	211591	01	1431	052689	07318		07353	
LL	3136		DAF	8857	J86	1204207	211591	02	1432	052689	07318		07353	
LL	3136		DAF	9244	A87	1204207	211591	02	1432	052689	07318		07353	
LL	3137		DAF	1429	D88	1204207	211592	02	1432	052689	07318		07353	
LL	3137		DAF	1667	D88	1204207	211592	02	1431	052689	07318		07353	
LL	3137		DAF	1834	D88	1204207	211592	02	1432	052689	07318		07353	
LL	3137		DAF	3747	A87	1204207	211592	02	1432	052689	07318		07353	
LL	3137		DAF	6830	D88	1204207	211592	02	1431	052689	07318		07353	
LL	3137		DAF	6905	D88	1204207	211592	02	1432	052689	07318		07353	
LL	3137		DAF	6908	D88	1204207	211592	02	1431	052689	07318		07353	
LL	3137		DAF	6988	D88	1204207	211592	02	1431	052689	07318		07353	
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LL	3137		DAF	8840	J86	1204207	211592	02	1432	052689	07318		07353	
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LL	3251		DAF	1773A	D89	1204207	211617	02	1452	052689	07318		07353	
LL	3251		DAF	1776A	D89	1204207	211617	02	1452	052689	07318		07353	
LL	3251		DAF	1781A	D89	1204207	211617	02	1451	052689	07318		07353	
LL	3251		DAF	1782A	D89	1204207	211617	02	1452	052689	07318		07353	
LL	3251		DAF	1946A	B89	1204207	211617	02	1450	052689	07318		07353	
LL	3251		DAF	1947A	B89	1204207	211617	02	1451	052689	07318		07353	
LL	3251		DAF	1948A	B89	1204207	211617	02	1452	052689	07318		07353	
LL	3251		DAF	1950A	D89	1204207	211617	02	1451	052689	07318		07353	
LL	3251		DAF	1951A	B89	1204207	211617	02	1450	052689	07318		07353	
LL	3251		DAF	1952A	B89	1204207	211617	02	1450	052689	07318		07353	
LL	3251		DAF	1953A	B89	1204207	211617	02	1450	052689	07318		07353	
LL	3251		DAF	1955A	B89	1204207	211617	02	1450	052689	07318		07353	
LL	3251		DAF	1956A	D89	1204207	211617	02	1452	052689	07318		07353	
LL	3251		DAF	1957A	D89	1204207	211617	02	1451	052689	07318		07353	
LL	3251		DAF	1959A	B89	1204207	211617	02	1450	052689	07318		07353	
LL	3251		DAF	1960A	B89	1204207	211617	02	1452	052689	07318		07353	
LL	3251		DAF	1966A	B89	1204207	211617	02	1452	052689	07318		07353	
LL	3251		DAF	1967A	B89	1204207	211617	02	1451	052689	07318		07353	
LL	3251		DAF	1968A	D89	1204207	211617	02	1452	052689	07318		07353	
LL	3251		DAF	1969A	D89	1204207	211617	02	1452	052689	07318		07353	
LL	3251		DAF	1970A	D89	1204207	211617	02	1451	052689	07318		07353	
LL	3251		DAF	9006A	G88	1204207	211617	02	1431	052689	07318		07353	
LL	3251		DAF	9014A	G88	1204207	211617	02	1432	052689	07318		07353	
LL	3251		DAF	9044A	J88	1204207	211617	02	1431	052689	07318		07353	
LL	3251		DAF	9064A	D89	1204207	211617	02	1452	052689	07318		07353	
LL	3251		DAF	9101A	J88	1204207	211617	02	1431	052689	07318		07353	
LL	3251		DAF	9144A	L88	1204207	211617	02	1450	052689	07318		07353	
LL	3251		DAF	9146A	L88	1204207	211617	02	1451	052689	07318		07353	
LL	3251		DAF	9152A	L88	1204207	211617	02	1450	052689	07318		07353	
LL	3251		DAF	9172A	L88	1204207	211617	02	1451	052689	07318		07353	

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DERIVATIVE CLASSIFIER
DATE 05/26/89
NAME W. F. KELLER
TITLE SS ACCOUNTABILITY SUPERVISOR

UNCLASSIFIED

UNCLASSIFIED

CODE	TYPE	SUF	MFG	ACTUAL SERIAL	DATCD	LOCATION	PARTNO	SUF	TIME	DATE	BADGE	SEAL	BU/DY	TALLY
LL	1J/2J	AS	DAF	307085	B88	1204207	421757	00	1437	052689	07318		07 53	1
LL	1J/2J	AS	DAF	307113	B88	1204207	421757	00	1437	052689	07318		07 53	
LL	1J/2J	AS	DAF	307725	B88	1204207	421757	00	1437	052689	07318		07 53	
LL	1J/2J	AS	DAF	307798	B88	1204207	421757	00	1437	052689	07318		07 53	
LL	1J/2J	AS	DAF	409390	B88	1204207	421757	00	1437	052689	07318		07 53	
LL	1J/2J	AS	DAF	409400	B88	1204207	421757	00	1437	052689	07318		07 53	
LL	1J/2J	AS	DAF	409597	B88	1204207	421757	00	1437	052689	07318		07 53	
LL	1J/2J	AS	DAF	409888	B88	1204207	421757	00	1437	052689	07318		07 53	
LL	1J/2J	AS	DAF	409914	B88	1204207	421757	00	1437	052689	07318		07 53	
LL	1J/2J	AS	DAF	409958	B88	1204207	421757	00	1437	052689	07318		07 53	
LL	1M/2M	AS		6138	A87	1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		6440		1204207	422422	02	1427	052689	07318		07 53	
LL	1M/2M	AS		6473		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		6485		1204207	422422	02	1425	052689	07318		07 53	
LL	1M/2M	AS		6773		1204207	422422	02	1425	052689	07318		07 53	
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LL	1M/2M	AS		6863		1204207	422422	02	1426	052689	07318		07 53	
LL	1M/2M	AS		7074		1204207	422422	02	1432	052689	07318		07 53	
LL	1M/2M	AS		7084		1204207	422422	02	1427	052689	07318		07 53	
LL	1M/2M	AS		7121		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		7147		1204207	422422	02	1427	052689	07318		07 53	
LL	1M/2M	AS		7148		1204207	422422	02	1425	052689	07318		07 53	
LL	1M/2M	AS		7253		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		7255		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		7258		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		7261		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		7263		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		7266		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		7267		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		7268		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		7269		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		7277		1204207	422422	02	1427	052689	07318		07 53	
LL	1M/2M	AS		7301		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		7321		1204207	422422	02	1427	052689	07318		07 53	
LL	1M/2M	AS		7407		1204207	422422	02	1433	052689	07318		07 53	
LL	1M/2M	AS		7449		1204207	422422	02	1432	052689	07318		07 53	
LL	1M/2M	AS		7467		1204207	422422	02	1432	052689	07318		07 53	
LL	1M/2M	AS		7474		1204207	422422	02	1427	052689	07318		07 53	
LL	1M/2M	AS		7487		1204207	422422	02	1432	052689	07318		07 53	
LL	1M/2M	AS		7498		1204207	422422	02	1426	052689	07318		07 53	
LL	1M/2M	AS		8024		1204207	422487	03	1434	052689	07318		07 53	
LL	1M/2M	AS		8026		1204207	422487	03	1434	052689	07318		07 53	
LL	1M/2M	AS		8028		1204207	422487	03	1434	052689	07318		07 53	
LL	1M/2M	AS		8030		1204207	422487	03	1434	052689	07318		07 53	
LL	1M/2M	AS		8033		1204207	422487	03	1434	052689	07318		07 53	
LL	1M/2M	AS		8034		1204207	422487	03	1434	052689	07318		07 53	
LL	1M/2M	AS		8039		1204207	422487	03	1434	052689	07318		07 53	
LL	1M/2M	AS		8042		1204207	422487	03	1434	052689	07318		07 53	
LL	1M/2M	AS		8045		1204207	422487	03	1434	052689	07318		07 53	
LL	1M/2M	AS		8145		1204207	422487	03	1427	052689	07318		07 53	
LL	1M/2M	AS		8152		1204207	422487	03	1427	052689	07318		07 53	

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C-O-N-F-I-D-E-N-T-I-A-L

DATE
NAME

DERIVATIVE CLASSIFICATION

05/26/89
M. F. KEHLER

SS ACCOUNTABILITY SUPERVISOR

UNCLASSIFIED

CONFIDENTIAL
UNCLASSIFIED

CODE	TYPE	SUFX	MFG	ACTUAL	SERIAL	DATCD	LOCATION	PARTNO	SUFX	TIME	DATE	BADGE	SEAL	BUDDY	TALLY
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LL	42254	7		10202			1204207	422547	00	1428	052689	07318		07353	
LL	42254	7		10214			1204207	422547	00	1440	052689	07318		07353	
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LL	42254	7		10239			1204207	422547	00	1436	052689	07318		07353	
LL	42254	7		10242			1204207	422547	00	1428	052689	07318		07353	
LL	42254	7		10267			1204207	422547	00	1440	052689	07318		07353	
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LL	42254	7		10309			1204207	422547	00	1430	052689	07318		07353	
LL	42254	7		10320			1204207	422547	00	1441	052689	07318		07353	
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LL	42254	7		10437			1204207	422547	00	1440	052689	07318		07353	
LL	42254	7		10444			1204207	422547	00	1441	052689	07318		07353	
LL	42254	7		10455			1204207	422547	00	1430	052689	07318		07353	
LL	42254	7		10458			1204207	422547	00	1439	052689	07318		07353	
LL	42254	7		10462			1204207	422547	00	1441	052689	07318		07353	
LL	42254	7		10481			1204207	422547	00	1430	052689	07318		07353	
LL	42254	7		10486			1204207	422547	00	1436	052689	07318		07353	
LL	42254	7		10490			1204207	422547	00	1439	052689	07318		07353	
LL	42254	7		10502			1204207	422547	00	1441	052689	07318		07353	
LL	42254	7		10506			1204207	422547	00	1442	052689	07318		07353	
LL	42254	7		10516			1204207	422547	00	1429	052689	07318		07353	
LL	42254	7		10539			1204207	422547	00	1442	052689	07318		07353	
LL	42254	7		10541			1204207	422547	00	1430	052689	07318		07353	
LL	42254	7		10546			1204207	422547	00	1428	052689	07318		07353	
LL	42254	7		10550			1204207	422547	00	1437	052689	07318		07353	
LL	42254	7		10556			1204207	422547	00	1440	052689	07318		07353	
LL	42254	7		10559			1204207	422547	00	1429	052689	07318		07353	
LL	42254	7		10562			1204207	422547	00	1440	052689	07318		07353	

1 WR
↓ ↓

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C-O-N-F-I-D-E-N-T-I-A-L

DERIVATIVE CLASSIFIER
DATE 05/26/89
NAME G. F. KEHLER
TITLE SECURITY ACCOUNTABILITY SUPERVISOR

UNCLASSIFIED

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CODE	TYPE	SUFX	MFG	ACTUAL SERIAL	DATCD	LOCATION	PARTNO	SUFX	TIME	DATE	BADGE	SEAL	BUDDY	TALLY
LL	42254	7		10570		1204207	422547	00	1441	052689	07318		07353	1
LL	42254	7		10579		1204207	422547	00	1428	052689	07318		07353	WR
LL	42254	7		10586		1204207	422547	00	1438	052689	07318		07353	
LL	42254	7		10591		1204207	422547	00	1437	052689	07318		07353	
LL	42254	7		10610		1204207	422547	00	1441	052689	07318		07353	
LL	42254	7		10614		1204207	422547	00	1440	052689	07318		07353	
LL	42254	7		10619		1204207	422547	00	1440	052689	07318		07353	
LL	42254	7		10622		1204207	422547	00	1430	052689	07318		07353	
LL	42254	7		10643		1204207	422547	00	1430	052689	07318		07353	
LL	42254	7		10649		1204207	422547	00	1439	052689	07318		07353	
LL	42254	7		10662		1204207	422547	00	1441	052689	07318		07353	
LL	42254	7		10670		1204207	422547	00	1440	052689	07318		07353	
LL	42254	7		10677		1204207	422547	00	1428	052689	07318		07353	
LL	42254	7		10686		1204207	422547	00	1430	052689	07318		07353	
LL	42254	7		10690		1204207	422547	00	1439	052689	07318		07353	
LL	42254	7		10693		1204207	422547	00	1431	052689	07318		07353	
LL	42254	7		10700		1204207	422547	00	1440	052689	07318		07353	
LL	42254	7		10705		1204207	422547	00	1430	052689	07318		07353	
LL	42254	7		10717		1204207	422547	00	1440	052689	07318		07353	
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LL	42254	7		10865		1204207	422547	00	1441	052689	07318		07353	
LL	42254	7		10899		1204207	422547	00	1442	052689	07318		07353	
LL	42254	7		10925		1204207	422547	00	1441	052689	07318		07353	
LL	42254	7		10930		1204207	422547	00	1439	052689	07318		07353	
LL	42254	7		10940		1204207	422547	00	1430	052689	07318		07353	
LL	42254	7		10945		1204207	422547	00	1438	052689	07318		07353	
LL	42254	7		10948		1204207	422547	00	1441	052689	07318		07353	
LL	42254	7		10955		1204207	422547	00	1429	052689	07318		07353	
LL	42254	7		10960		1204207	422547	00	1439	052689	07318		07353	
LL	42254	7		10966		1204207	422547	00	1442	052689	07318		07353	
LL	42254	7		11502		1204207	422547	00	1429	052689	07318		07353	
LL	42254	7		11503		1204207	422547	00	1429	052689	07318		07353	

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C-O-N-F-I-D-E-N-T-I-A-L

DATE
NAME

TITLE

DERIVATIVE CLASSIFIER

05/26/89

M. F. KELLER

SS ACCOUNTABILITY SUPERVISOR

UNCLASSIFIED

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Total Reservoirs on line = 78

With Squib Valves = 39

Without Squib Valves = 39

Locations of Reservoirs with valves -

12-99	B5	-	5 ea
12-84	B8	-	2 ea
12-84	B13	-	5 ea
12-84	B15	-	2 ea
12-98	B1	-	2 ea
12-26	B28	-	22 ea

~~CONFIDENTIAL~~

Line Area
INVENTORY REGISTER

TIME	NAME	BLDG.	RAY	PROG.	SERIAL NO.	REMARKS
	<i>no</i>	104	5	88	10031	3T Assemblies
					10048	new - no value
					10258	Waiting for Assy
					10285	
					10406	
					10472	
					10513	
					10565	
					10636	
					10709	
					10730	
					10808	
					10914	
		<i>no</i>	104	9	56	536983
	<i>no</i>	99	4	80	6347	1171 - disassemble
					6382	waiting for reassembly
	<i>yes</i>	99	5	61	2749-New	1467/2468 reassemble
					2833	
					2888	disassembled
					5281	waiting for reassembly
					5319	

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DRIVATIVE CLASSIFIER
A. S. *Navin*
(NAME)
rod central
(TITLE)

INVENTORY REGISTER

TIME	NAME	BLDG.	BAY	PROG.	SERIAL NO.	REMARKS
	yes	84	8	83	4300	3251/3503 - new
					4579	↓ ↓
		84	13	61	10801	1M72/2M83 - New
					10885	↓ ↓
	yes				10900	
					10950	
					11030	↓ ↓
	yes	84	15	61	8095	1M72/2M74 - New
					8314	↓ ↓
		64	1	68	9286B	2659B - disassemble
	no				9456B	↓ ↓
					9521B	↓ ↓
	no	64	2	70	2652	3201 Disassemble
					304158	3202 ↓
	no	64	3	83	6375	3251 Disassemble
					6385	3503 ↓
	no	64	7	70	9530	3203 Disassemble
	yes	98	1	61	6452	1M72/2M83 Disassemble
					10528	↓ ↓
	?	44	1			

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DERIVATIVE CLASSIFIER

AME
Contract Sup
(TITLE)

INVENTORY REGISTER

TIME	NAME	BLDG.	BAY	PROG.	SERIAL NO.	REMARKS
	yes	26	28	28	412352	1A42 - Disassemble
	no				433081	
	yes				445507	
	no				475997	
	yes				533780	
	yes			44	303382	1C20 - Disassemble
	yes				358961	
	yes				406137	
	yes				458046	
	no				458429	
	yes				466403	
	yes			44 44	406017	1C38
	yes				460112	
	yes				465841	
	yes			69	207430	1J25
	yes				307075	
	yes				309542	
	yes				407369	
	yes				409940	
	no			61	10899	1M72/2M83
	yes				1220	1H69/2H70

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Wavenport
(NAME)
Prod Control Sup
(TITLE)

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INVENTORY REGISTER

TIME	NAME	BLDG.	RAY	PROG.	SERIAL NO.	REMARKS
	no	26	28	80	201704	11K71 Missy
	no				206494	↓
	no				208721	↓
	yes			69	307512	2546
	yes				307606	
	yes				307683	
	yes				309918	
	no			61	5834	1M72
	no			61	5137	2M74
	no			57	346314	3E61
	no			83	3451A	3251
	no				7392A.	↓
	no			83	3378A	3503
	no				7368A	↓
	no			57	373309	4E66

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DERIVATIVE CLASSIFIER

W. W. Waverport
(NAME)
Prod Control Supv
(TITLE)

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_____ P.M.

(Signature of authorizing official)

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Multiple Address

Title Address

Book Message

6. FROM

USDOE

P. M. RAMEY

AMARILLO, TX

8. DATE

5/23/89

9. TO

USDOE, STEVE GUIDICE, AL EMERGENCY OPERATIONS CENTER

ALBUQUERQUE, NM

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United States Government

Department of Energy

memorandum

ALBUQUERQUE OPERATIONS
AMARILLO AREA OFFICE

DATE:

REPLY TO
ATTN OF:

AAO:GWJ

SUBJECT:

Assembly Cell 12-44-1 Inventory

TO:

Steve Guidice, AL Emergency Operations Center

Cell 1 currently contains

- o [redacted] The tritium release occurred with this unit. Mechanical disassembly was completed with the post-incident removal of the reservoir and valve assembly on May 19. Special procedures are being developed to (a) decontaminate and ship the reservoir/valve assembly to Los Alamos in a UC 609 shipping container, (b) complete the nuclear disassembly, and (c) decontaminate and ship the [redacted] to Los Alamos in a 2030-1B container.
- o [redacted] Mechanical disassembly is completed. The nuclear assembly is currently on the uncasing press with a [redacted]. The reservoir associated with this unit remains in the cell.
- o [redacted] - Mechanical disassembly is completed. The nuclear assembly with a [redacted] is waiting for the uncasing press. The reservoir associated with this unit was removed from the cell prior to the tritium release.

There are seven additional [redacted]

that were being staged in Cell 1 at the time of the tritium release. A decision will need to be made on whether to return these pits to Rocky Flats or Los Alamos following decontamination at Pantex. We are discussing options and decontamination requirements with the Rocky Flats Area Office.

There is a total of [redacted] of high explosive (HE) in cell 1.

We believe this HE can be disposed at Pantex by open air burning following decontamination.

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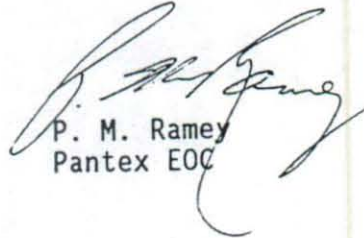
Steve Guidice

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-2-
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There are several boxes of disassembled inert components. We will explore the feasibility of shipping these components as low level radioactive waste to the Nevada Test Site.

A complete decontamination plan for the facility, tooling, and components is being developed.


P. M. Ramey
Pantex EOC

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Approved by NARS, June 1978

Redacted version

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MESSAGE IDENTIFICATION
0001 DTG: 230021 Z

6. FROM
U. S. DEPARTMENT OF ENERGY
S. J. GUIDICE, DIRECTOR, WPD
ALBUQUERQUE, NM

7. OFFICIAL BUSINESS
[Signature]
Signature of authorizing official

8 (TIME) A.M. P.M.

8. DATE
5/22/89

9. TO

COMMUNICATION CENTER ROUTING

P. M. RAMEY, MANAGER, AMARILLO AREA OFFICE

SUBJECT: WEAPON OPERATIONS

CONFIDENTIAL RESTRICTED DATA, SIG A
CLASSIFIED BY S. J. GUIDICE, DIRECTOR, WPD

REFERENCE: (1) CRD MSG. DATED 5/20/89, GUIDICE TO RAMEY, SAME SUBJECT
(2) CRD MSG. DATED 5/22/89, RAMEY TO GUIDICE, PANTEX OPERATIONAL STATUS

AUTHORIZATION IS HEREBY EXTENDED TO COVER THE FOLLOWING WEAPON OPERATIONS:

- (1) _____
- (2) LLNL PHYSICS PACKAGES ONLY PER REFERENCE (2)
- (3) JTA RESIDUES (ALL SYSTMS) - WITH THE UNDERSTANDING THAT NO TRITIUM RESERVOIRS ARE USED.
BE BRIEF - ELIMINATE UNNECESSARY WORDS

Rec'd 5/22/89
1927

ORIGINATOR (On separate lines, enter Name, Routing Symbol, & Tel. No.)

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-2-

NEW DATA COLLECTED ON SUNDAY 5/21/89 AND MONDAY 5/22/89 INDICATED CONTAMINATION SWIPE DATA EXCEEDING 1000 DPM/100CM². IT HAS BEEN NECESSARY TO ESTABLISH NEW CONTROLLED AREAS BEYOND THE BOUNDARIES OF 12-44 CELLS 1, 2 AND 3. IT IS OUR UNDERSTANDING THAT CONTROL POINTS FOR THE TEMPORARY RADIOLOGICAL CONTROL AREA HAVE BEEN ESTABLISHED AT RAMP ACCESS POINTS FROM 12-44-26 AND 12-44-4 CELL.

ADDITIONAL DOCUMENTED CONTAMINATION CONTROL MEASURES ARE NEEDED FOR THESE CONTROL POINTS TO ASSURE THAT THE CONTAMINATION IN THE UNCONTROLLED REGION DOES NOT EXCEED 1000 DPM/100 CM² PER DOE ORDER 5480.11. THE FOLLOWING SPECIFIC REQUIREMENTS ARE ADDED:

1. PROVIDE SWIPE DATA TAKEN IN THE 12-44-4, 12-49 AND 12-42 AREAS THAT ESTABLISH THE CONTAMINATION IS NOT MORE WIDELY DISTRIBUTED BEYOND THE CURRENTLY ESTABLISHED CONTROL POINTS.
2. NOTIFY AL OF ANY NEED TO EXPAND THE TEMPORARY RADIOLOGICAL CONTROL AREA BEYOND THE CONTROL POINTS NOTED ABOVE.
3. PROVIDE A DECONTAMINATION PLAN TO AL FOR REVIEW THAT ADDRESSES CLEAN-UP OF THE TEMPORARY RADIOLOGICAL CONTROL AREA TO BELOW 1000 DPM/100CM² AND ALARA, IN ORDER TO RESUME NORMAL USE OF THIS AREA.
4. ASSURE CONTINUED BIOASSAY SAMPLING OF WORKERS IN THE TEMPORARY CONTROLLED AREA AND IMMEDIATE OUTLYING AREAS TO PROVIDE A RECORD OF POTENTIAL EXPOSURES TO TRITIUM.

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 Title Address
 Book Message

6. FROM
USDOE, AMARILLO AREA OFFICE
P.M. RAMEY, AREA MANAGER
AMARILLO, TEXAS

7. OFFICIAL BUSINESS (TIME)
 A.M.
 P.M.
(Signature of authorizing official)
8. DATE 5/22/89

9. TO
USDOE, STEVE GUIDICE, AL EMERGENCY OPERATIONS CENTER
ALBUQUERQUE, NEW MEXICO
~~CONFIDENTIAL~~ SUBJECT: PANTEX OPERATIONAL STATUS
(MAY 22, 1989)
WE ARE CURRENTLY PERFORMING NORMAL WR AND JTA OPERATIONS ON THE
 AND WEAPON SYSTEMS IN ACCORDANCE WITH YOUR AUTHORIZATION
DATED MAY 20, 1989, SUBJ: WEAPON OPERATIONS.
WE REQUEST THAT YOUR AUTHORIZATION BE EXTENDED TO THE FOLLOWING
OPERATIONS:
BE BRIEF - ELIMINATE UNNECESSARY WORDS
CONTINUED ON PAGE 2

COMMUNICATION CENTER ROUTING
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Sent
1219
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P
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10. ORIGINATOR (On separate lines, enter Name, Routing Symbol, & Tel. No.)
P.M. RAMEY
USDOE, AAO
PANTEX EMERGENCY
OPERATIONS CENTER
477-5000

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CONFIDENTIAL/RD/WD/NARR. SUBJECT: PANTEX OPERATIONAL STATUS (MAY 22, 1989)

DISPOSAL - LOS ALAMOS HAS STATED THAT THESE OPERATIONS COULD CONTINUE WITHOUT INTERRUPTION (REFERENCE: TWX FROM C.B. BANKS, WX-5, DATED MAY 20, 1989).

LLNL PHYSICS PACKAGE - ALL OF THE LLNL DETONATORS ARE HIGH ENERGY DEVICES THAT ARE NOT STATIC SENSITIVE (REFERENCE: TWX FROM LEE MACLEAN DATED MAY 19, 1989). WE WOULD SPECIFICALLY PLAN TO PERFORM OPERATIONS ON THE FOLLOWING SYSTEMS:

W56 MC1690-2	SLT REBUILD
W62 MC2521/22	JTA
W68 MC2354	JTA
W70 MC2059	JTA
W82 MC4095/97	TYPE UNIT
W87 MC3739/40	JTA

NO ASSEMBLY OPERATIONS WOULD BE CONDUCTED BEYOND THE PHYSICS PACKAGE.

JTA RESIDUE (ALL SYSTEMS)- JTA RESIDUES HAVE ALREADY BEEN THROUGH EXTREME FUNCTIONAL ENVIRONMENTS, AND WE BELIEVE CONSIDERATION SHOULD BE GIVEN TO RELEASING THESE OPERATIONS.

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-2-

(B) SURFACE CONTAMINATION DOES NOT EXCEED 1000 DPM/100CM²; HOWEVER, YOU MUST PROMPTLY NOTIFY AL IF LEVELS EXCEED THE HIGHEST LEVEL TAKEN IN THE SURVEY LAST NIGHT (I.E., ~85 DPM/100CM²)

PLEASE PROVIDE BOTH AIR AND SURFACE CONTAMINATION DATA ON CELLS 1, 2, 3 AS SOON AS POSSIBLE.

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12

Redacted version

Approved by NARS, June 1978

INSERT ABOVE, CLASSIFICATION LEVEL, UNCLASSIFIED, OR OFFICIAL USE ONLY

**U.S. DEPARTMENT OF ENERGY
TELECOMMUNICATION MESSAGE**
(See reverse side for instructions.)

2. MESSAGE CONTAINS WEAPON DATA?
("X" appropriate box. Message Center will not transmit message unless one box is marked.)
 YES NO

3. UBS WHEN REQUIRED
THIS DOCUMENT CONSISTS OF 2 PAGES
NO. OF COPIES, SERIES

4. PRECEDENCE DESIGNATION ("X" appropriate box):
FOR NORMAL USE EMERGENCY USE ONLY
ACTION: Routine Priority Immediate FLASH
INFO: (6 Hrs.) (3 Hrs.) (30 Mins.) (ASAP)

5. TYPE OF MESSAGE ("X" appropriate box)
 Single Address
 Multiple Address
 Title Address
 Book Message

FOR COMMUNICATION CENTER USE
MESSAGE IDENTIFICATION
NR 0001 DTG 210033

6. FROM
U. S. DEPARTMENT OF ENERGY
S. J. GUIDICE, DIRECTOR, WPD
ALBUQUERQUE, NM

7. OFFICIAL BUSINESS (TIME) A.M. P.M.
S. J. Guidice
(Signature of authorizing official)

8. DATE 5/21/89

COMMUNICATION CENTER ROUTING

R. LANE, DP-20, HQ, GTN
R. JACKSON, DP-23, HQ, GTN
DP-1, HQ, FORS
DP-2.1, HQ FORS
AAO

~~RESTRICTED DATA/S
GUIDICE, DIRECTOR, WPD~~

*DISTRIBUTION
IN PART
EOC completed
5/22/89
0940*

MAY 21, 1989

(CONTINUED)

BE BRIEF - ELIMINATE UNNECESSARY WORDS

10. ORIGINATOR (On separate lines, enter Name, Routing Symbol, & Tel. No.)

11. DERIVATIVELY CLASSIFIED NSI
NATIONAL SECURITY INFORMATION
Unauthorized Disclosure subject to Administrative and Criminal Sanctions.
Derivative Classifier: (Name)
(Title)
(Date or Event/OADR)
Declassify on: Event/OADR
Derivatively Classified by: _____
(Date or Source Document)

12. ORIGINALLY CLASSIFIED NSI
NATIONAL SECURITY INFORMATION
Unauthorized Disclosure subject to Administrative and Criminal Sanctions.
Originally Classified by: (Name)
(Title)
Declassify on: _____
(Date or Event/OADR)

13. RESTRICTED DATA
This document contains Restricted Data as defined in the Atomic Energy Act of 1954. Unauthorized disclosure subject to Administrative and Criminal Sanctions.
DERIVATIVE CLASSIFIER: S. J. Guidice, Director, WPD
(Name and Title)

14. FORMERLY RESTRICTED DATA
Unauthorized Disclosure subject to Administrative and Criminal Sanctions. Handle as Restricted Data in Foreign Communications Section 1642 Atomic Energy Act, 1954.
DERIVATIVE CLASSIFIER: _____
(Name and Title)

15. INSERT BELOW, CLASSIFICATION LEVEL, UNCLASSIFIED, OR OFFICIAL USE ONLY

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WEAPON STATUS

THE TUBE BETWEEN THE TRITIUM RESERVOIR/VALVE AND THE PIT WAS CUT AND CRIMPED OFF USING STANDARD TOOLS AND TECHNIQUES. THE RESERVOIR/VALVE WAS REMOVED AND PLACED IN A SPECIAL LOS ALAMOS CONTAINER THAT REMAINS IN THE CELL. WE BELIEVE THE PIT SIDE OF TUBE DID NOT COMPLETELY SEAL AND WE ARE EVALUATING ADDITIONAL PROCEDURES TO ACHIEVE A POSITIVE SEAL. A POSITIVE SEAL IS DESIRABLE BEFORE ANY FURTHER WEAPON DISASSEMBLY AND CLEANUP IS ATTEMPTED.

FACILITY STATUS

ALL PLANT PERSONNEL WILL CONTINUE TO REPORT TO WORK AS NORMAL. ALL WORK AREAS ARE OPEN EXCEPT ASSEMBLY CELLS 1, 2 AND 3. CELL 1 CONTAINS THE WEAPON AND THE CORRIDOR IS SEALED OFF AND MONITORED IN FRONT OF THE CELL. ACCESS TO ADJACENT CELL 2 AND 3 IS TEMPORARILY RESTRICTED AS AN EXTRA PRECAUTION.

PERSONNEL STATUS

ONLY ONE INDIVIDUAL, THE ONE STANDING CLOSEST THE WEAPON, RECEIVED EXPOSURE SIGNIFICANT ENOUGH TO WARRANT CONTINUED MEDICAL ATTENTION. HIS URINE ANALYSIS READINGS PEAKED AT 460 MICROCURIES/LITER ON MAY 18; SUBSEQUENT READINGS WERE DIMINISHING. HIS ESTIMATED EXPOSURE FROM THIS INCIDENT IS PROJECTED TO BE ABOUT 2 REM. (2 REM IS THE PANTEX STANDARD, 5 REM IS THE ALLOWED DOE STANDARD) HIS STATUS AND FLUID INTAKE ARE CAREFULLY MONITORED BY THE PLANT PHYSICIAN.

WEAPON PRODUCTION/RETIREMENT STATUS

THE WEAPON LABORATORIES HAVE BEEN ASKED TO REVIEW THE STATIC SENSITIVITY OF THEIR VALVE INITIATORS. BASED ON THEIR INPUT, AL WILL RELEASE INDIVIDUAL WEAPON TYPES FOR CONTINUED PANTEX ASSEMBLY/DISASSEMBLY OPERATIONS. NORMAL OPERATIONS WERE RESUMED ON THE [] AND [] ON THE SATURDAY SWING SHIFT. AL RELEASES WILL CONTINUE AS CERTIFICATIONS ARE RECEIVED FROM THE LABORATORIES. PROCEDURAL CHANGES MAY BE NECESSARY ON CERTAIN WEAPONS AS A RESULT OF THIS INCIDENT.

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2. MESSAGE CONTAINS WEAPON DATA? ("X" appropriate box. Message Center will not transmit message unless one box is marked.)

YES NO

3. USE WHEN REQUIRED

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FOR COMMUNICATION CENTER USE

MESSAGE IDENTIFICATION

NR: DTG: Z

7. OFFICIAL BUSINESS (TIME)

 A.M.

 P.M.

(Signature of authorizing official)

8. DATE 3/20/89

COMMUNICATION CENTER ROUTING

68 69

P I C K E T

U.S. DEPARTMENT OF ENERGY
TELECOMMUNICATION MESSAGE
(See reverse side for instructions.)

4. PRECEDENCE DESIGNATION ("X" appropriate box):

FOR NORMAL USE	EMERGENCY USE ONLY
ACTION: <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Priority	<input type="checkbox"/> Immediate <input type="checkbox"/> FLASH
INFO: <input type="checkbox"/> (6 Hrs.) <input type="checkbox"/> (3 Hrs.)	<input type="checkbox"/> (30 Mins.) <input type="checkbox"/> (ASAP)

5. TYPE OF MESSAGE ("X" appropriate box)

Single Address

Multiple Address

Title Address

Book Message

6. FROM

1 U. S. DEPARTMENT OF ENERGY
S. J. GUIDICE, DIRECTOR, WPD
ALBUQUERQUE, NM

8. TO

P. M. RAMEY, MANAGER, AMARILLO AREA OFFICE

SUBJECT: WEAPON OPERATIONS

PER TELECON WITH THE AL MANAGER, YOU ARE HEREBY AUTHORIZED TO CONTINUE NORMAL WR AND JTA OPERATIONS ON THE AND PROGRAMS. THIS AUTHORIZATION IS GIVEN WITH THE FOLLOWING RESTRICTIONS:

- (1) NO OPERATIONS WILL BE CONDUCTED IN 12-44 CELLS 1, 2 AND 3 AND CASUAL PERSONNEL ACCESS WILL BE RESTRICTED FROM THIS AREA.
- (2) CONTINUED SAMPLING OF ALL WORK AREAS OTHER THAN CELLS 1, 2 AND 3 INDICATE THE FOLLOWING:
 - (A) AIR CONCENTRATIONS DO NOT EXCEED THE DAC PRESCRIBED IN 5480.11

BE BRIEF - ELIMINATE UNNECESSARY WORDS

10. ORIGINATOR (On separate lines, enter Name, Routing Symbol, & Tel. No.)

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DERIVATIVE CLASSIFIER (Name and Title)

14. FORMERLY RESTRICTED DATA

Unauthorized Disclosure subject to Administrative and Criminal Sanctions Handle as Restricted Data - Foreign Dissemination Excluded 144.3 Atomic Energy Act 1954

DERIVATIVE CLASSIFIER S. J. Guidice, Director, WPD (Name and Title)

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(B) SURFACE CONTAMINATION DOES NOT EXCEED 1000
DPM/100CM²; HOWEVER, YOU MUST PROMPTLY NOTIFY AL
IF LEVELS EXCEED THE HIGHEST LEVEL TAKEN IN THE
SURVEY LAST NIGHT (I.E., ~85 DPM/100CM²)

PLEASE PROVIDE BOTH AIR AND SURFACE CONTAMINATION DATA ON
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